

# Converting Colors

XYZ(39.1810, 40.2186, 93.1243)

Have a look what the booklet for  
XYZ(39.1810, 40.2186, 93.1243)  
contains.

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# Color

**XYZ(39.1328, 40.1519,  
92.8764)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78ACF6
RGB	120, 172, 246
RGB Percent	47%, 67%, 96%
CMY	0.5294, 0.3255, 0.0353
CMYK	0.51, 0.30, 0.00, 0.04
HSL	215°, 88%, 72%
HSV	215°, 51%, 96%
XYZ	39.1328, 40.1519, 92.8764
YIQ	164.8880, -54.7460, 11.9900

# Conversions

## Conversions Part 2

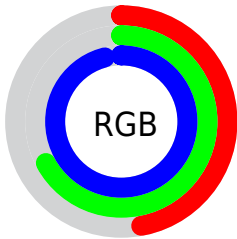
Format	Color
R <sub>Y</sub> B	120, 157, 246
Decimal	7908598
CIE Lab	69.58, 3.10, -42.13
CIE LCh	70, 42.242, 274.206
Yxy	40.1519, 0.2273, 0.2332
Android (android.graphics.Color)	4286098678 (0xFF78ACF6)
YUV	164.8880, 39.9882, -39.3668
Hunter-Lab	63.3655, -0.6530, -42.5469

# Details

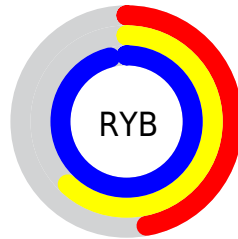
The XYZ color **39.1328, 40.1519, 92.8764** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **60.6897, 59.5348, 26.0639**, and the grayscale version is **35.5451, 37.3963, 40.7245**.

A 20% lighter version of the original color is **63.8792, 71.6231, 105.0656**, and **17.7054, 18.0369, 50.6924** is the 20% darker color. If you saturate the color by 10%, you get **33.5473, 33.4105, 91.8704**, and if you desaturate by 10%, it is **45.8964, 47.9458, 94.0251**.

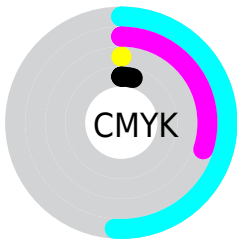
# Distribution



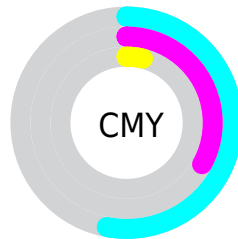
- Red (47%)
- Green (67%)
- Blue (96%)



- Red (47%)
- Yellow (62%)
- Blue (96%)



- Cyan (51%)
- Magenta (30%)
- Yellow (0%)
- Black (4%)




- Cyan (53%)
- Magenta (33%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.1328, 40.1519, 92.8764 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 39.1328, 40.1519, 92.8764 by changing the saturation by 10% instead.





 39.1328, 40.1519,  
92.8764

 39.1328, 40.1519,  
92.8764


333.6522,  
346.7634, 558.1536


 27.0442, 27.6570,  
69.7817


 73.1339, 75.3948,  
153.2977

 17.7432, 18.0673,  
50.8729


 95.7772, 98.9115,  
191.4614

 10.8644, 10.9983,  
35.7314


 122.6694,  
126.8710, 235.4851

 6.0423, 6.0657,  
23.9388

154.1759,  
159.6576, 285.7874

 2.9117, 2.8851,  
15.0764

190.6621,  
197.6558, 342.7869

 1.1073, 1.0720,  
8.7258

232.4933,

 0.0312, 0.0000,

241.2499, 406.9021

4.4684

280.0349,  
290.8243, 478.5515

■ 0.0000, 0.0000,  
1.8857

■ 0.0000, 0.0000,  
0.4836

■ 39.1328, 40.1519,  
92.8764

■ 39.1328, 40.1519,  
92.8764

■ 33.5473, 33.4105,  
91.8704

■ 45.8964, 47.9458,  
94.0251

■ 29.0575, 27.6630,  
90.9976

■ 53.9041, 56.8376,  
95.3193

■ 25.5761, 22.8502,  
90.2521

■ 63.2219, 66.8750,  
96.7656

■ 22.9980, 18.9022,  
89.6260

■ 73.9094, 78.1012,  
98.3692

■ 21.3392, 16.0628,  
89.1653

■ 86.0227, 90.5570,  
100.1350

■ 93.6347, 99.4339,  
101.4472

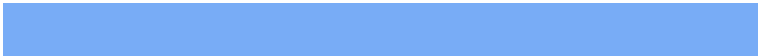
# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.7376, 40.1519, 86.9897



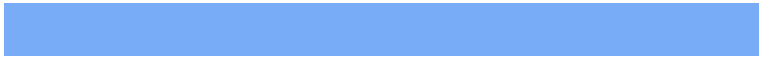
39.1328, 40.1519, 92.8764



46.0184, 40.1519, 82.7056

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



39.1328, 40.1519, 92.8764



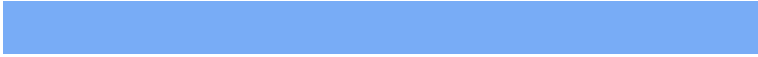
50.0657, 40.1519, 25.8249



27.5338, 40.1519, 29.3304

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



39.1328, 40.1519, 92.8764



60.6897, 59.5348, 26.0639

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



31.2569, 40.1519, 19.4370



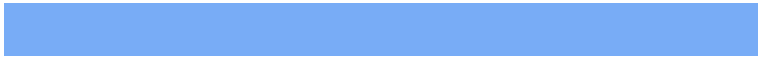
39.1328, 40.1519, 92.8764



44.1574, 40.1519, 17.8766

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



39.1328, 40.1519, 92.8764



52.7891, 40.1519, 41.0223



37.2097, 40.1519, 15.9453

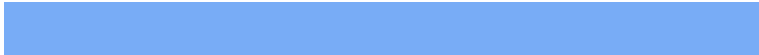


26.5240, 40.1519, 46.5306



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



39.1328, 40.1519, 92.8764



49.8162, 40.1519, 69.5628



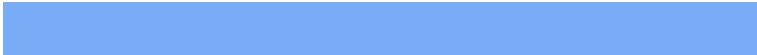
37.2097, 40.1519, 15.9453



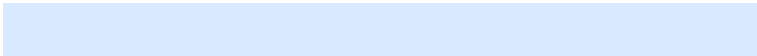
28.4858, 40.1519, 25.2291

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



39.1342, 40.1533, 92.8774



75.5985, 79.9485, 106.0549



50.3845, 73.7784, 62.3319



15.6561, 16.5609, 22.6213



0.0000, 0.0000, 0.0000

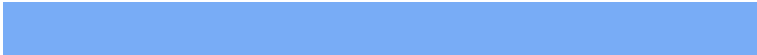


20.3446, 21.4041, 23.3091

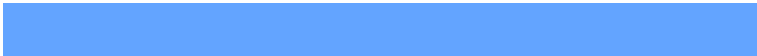


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.1342, 40.1533, 92.8774



36.4566, 36.3215, 99.6970



32.6356, 24.8742, 90.2707



16.1429, 17.0501, 20.9827



11.5203, 8.8344, 47.6360



1.1112, 0.9739, 4.2196



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



52.1702, 36.0060, 43.2311



52.4133, 32.9367, 38.5483



70.7734, 85.0160, 30.4508



16.7827, 16.5959, 18.6023



21.6194, 10.9912, 7.9702

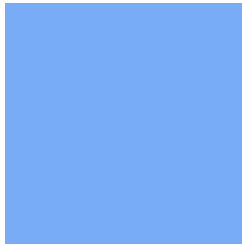


1.9500, 0.9859, 0.9629



# Previews

## White Background



This preview shows how the XYZ color 39.1328, 40.1519, 92.8764 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

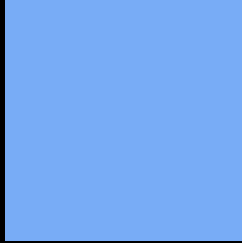
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.1328, 40.1519, 92.8764 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

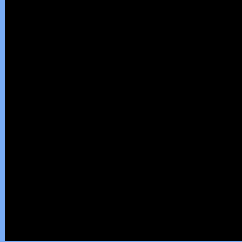
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

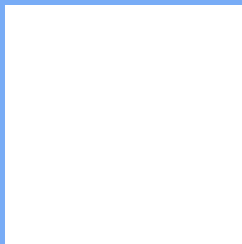
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 39.1328, 40.1519, 92.8764

## Background



This preview shows how black text looks on a background with the XYZ color 39.1328, 40.1519, 92.8764.



This preview shows how white text looks on a background with the XYZ color 39.1328, 40.1519,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

39.1328, 40.1519, 92.8764

### Protanopia

41.5228, 40.0680, 89.5498

### Deuteranopia

41.1077, 40.0390, 93.5574



## Tritanopia

32.2853, 40.3250, 58.3064

# Trichromacy



**Original Color**

39.1328, 40.1519, 92.8764

**Protanomaly**

40.5190, 40.0812, 90.3949

**Deuteranomaly**

40.3365, 39.9166, 93.5744

**Tritanomaly**

34.3647, 39.9470, 69.5177

# Monochromacy



**Original Color**

39.1328, 40.1519, 92.8764

**Achromatopsia**

35.7637, 37.6262, 40.9749

**Achromatomaly**

36.1347, 38.2899, 56.5251

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.1328, 40.1519, 92.8764 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(120, 172, 246)` looks like.

```
.text, #text, p{  
    color:rgb(120, 172, 246)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(120, 172, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 172, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 39.1328, 40.1519, 92.8764 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

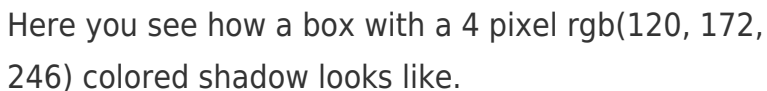
```
.border, #border, table{ border:4px solid rgb(120, 172, 246) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(120, 172, 246) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(120, 172, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 172, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 172, 246); box-shadow:4px 4px 4px 4px rgb(120, 172, 246) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.1328, 40.1519, 92.8764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 172, 246) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(120,  
172, 246) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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