

# Converting Colors

XYZ(36.2691, 44.9078, 93.2529)

Have a look what the booklet for  
XYZ(36.2691, 44.9078, 93.2529)  
contains.

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# Color

**XYZ(36.1678, 44.7232,  
93.1124)**

# Conversions

## Conversions Part 1

Format	Color
Hex	27C0F5
RGB	39, 192, 245
RGB Percent	15%, 75%, 96%
CMY	0.8470, 0.2470, 0.0392
CMYK	0.84, 0.22, 0.00, 0.04
HSL	195°, 91%, 56%
HSV	195°, 84%, 96%
XYZ	36.1678, 44.7232, 93.1124
YIQ	152.2950, -108.2010, -15.9530

# Conversions

## Conversions Part 2

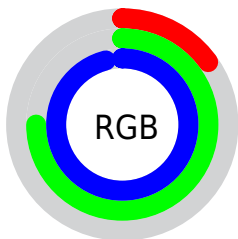
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	39, 127, 245
Decimal	2605301
CIE Lab	72.71, -20.04, -36.89
CIE LCh	73, 41.983, 241.484
Yxy	44.7232, 0.2079, 0.2570
Android (android.graphics.Color)	4280795381 (0xFF27C0F5)
YUV	152.2950, 45.7036, -99.3597
Hunter-Lab	66.8754, -20.4949, -35.7383

# Details

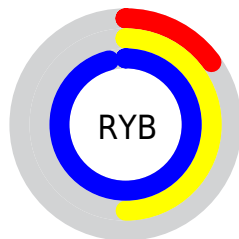
The XYZ color **36.1678, 44.7232, 93.1124** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **41.8523, 27.2175, 4.9692**, and the grayscale version is **29.8181, 31.3710, 34.1630**.

A 20% lighter version of the original color is **59.5026, 78.4198, 106.6082**, and **18.2738, 21.8511, 51.3987** is the 20% darker color. If you saturate the color by 10%, you get **34.1664, 41.6811, 92.6316**, and if you desaturate by 10%, it is **38.8293, 48.1951, 93.6432**.

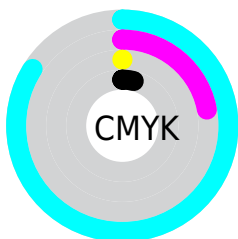
# Distribution



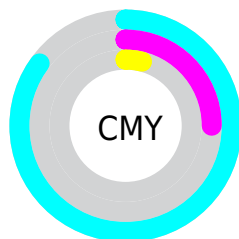
- Red (15%)
- Green (75%)
- Blue (96%)



- Red (15%)
- Yellow (50%)
- Blue (96%)



- Cyan (84%)
- Magenta (22%)
- Yellow (0%)
- Black (4%)




- Cyan (85%)
- Magenta (25%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.1678, 44.7232, 93.1124 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 36.1678, 44.7232, 93.1124 by changing the saturation by 10% instead.





 36.1678, 44.7232,  
93.1124


 36.1678, 44.7232,  
93.1124


321.1118,  
365.6514, 558.9334


 24.7345, 31.2395,  
69.9767


 68.6132, 82.3049,  
153.6273


 16.0071, 20.7813,  
51.0309

 90.3560, 107.1716,  
191.8436


 9.6200, 12.9642,  
35.8563


 116.2660,  
136.6015, 235.9238

 5.2081, 7.4039,  
24.0344

 146.7086,  
170.9788, 286.2866

 2.4059, 3.7160,  
15.1467

 182.0491,  
210.6881, 343.3504

 0.8480, 1.5160,  
8.7747

222.6529,

 0.0000, 0.2999,

256.1137, 407.5338

4.4997

268.8854,  
307.6400, 479.2553

■ 0.0000, 0.0000,  
1.9033

■ 0.0000, 0.0000,  
0.4948

■ 36.1678, 44.7232,  
93.1124

■ 36.1678, 44.7232,  
93.1124

■ 34.1664, 41.6811,  
92.6316

■ 38.8293, 48.1951,  
93.6432

■ 33.2017, 40.0327,  
92.3643

■ 42.2466, 52.1449,  
94.2255

■ 46.5035, 56.6178,  
94.8644

■ 51.6712, 61.6513,  
95.5636

■ 57.8128, 67.2791,  
96.3262

■ 64.9857, 73.5317,  
97.1550

■ 73.2425, 80.4373,  
98.0528

■ 82.6322, 88.0220,  
99.0219

■ 91.5164, 95.4422,  
99.9859

# Harmonies

## Analogous

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



31.6507, 44.7232, 72.7839



36.1678, 44.7232, 93.1124



42.8716, 44.7232, 100.7880

# Triad

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



36.1678, 44.7232, 93.1124



58.0976, 44.7232, 47.6650



35.6069, 44.7232, 21.8796

# Complementary

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



36.1678, 44.7232, 93.1124



41.8523, 27.2175, 4.9692

# 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.



42.1466, 44.7232, 18.6032



36.1678, 44.7232, 93.1124



55.6015, 44.7232, 30.6123

# Square

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



36.1678, 44.7232, 93.1124



56.0362, 44.7232, 70.4582



49.5491, 44.7232, 21.2761



31.3538, 44.7232, 31.9511



# Rectangle

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



36.1678, 44.7232, 93.1124



47.8449, 44.7232, 96.3517



49.5491, 44.7232, 21.2761



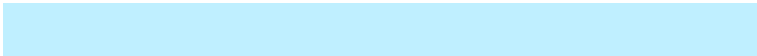
37.5836, 44.7232, 20.1015

# Sweetspot

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



36.1694, 44.7247, 93.1135



70.3474, 79.8260, 106.3080



35.3579, 66.4843, 20.7581



14.4455, 16.5581, 22.6846



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

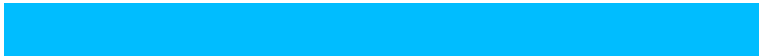


# Same Dimension

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



36.1694, 44.7247, 93.1135



36.3311, 43.7822, 101.1437



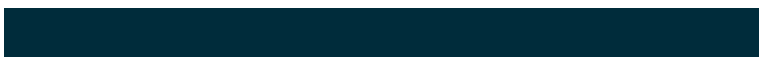
21.0192, 14.4245, 88.0635



16.6147, 17.9937, 21.1400



18.0037, 21.8012, 49.7972



1.6647, 2.0808, 4.4041



# Inverse Universe

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



47.8976, 24.6711, 52.1081



50.4674, 24.9510, 50.5211



57.2054, 57.9237, 10.0869



17.0209, 16.6912, 19.8564



24.8919, 12.3002, 25.2031

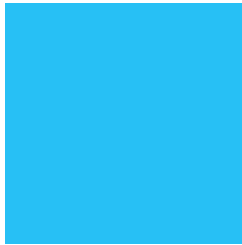


2.2293, 1.0977, 2.4340



# Previews

## White Background



This preview shows how the XYZ color 36.1678, 44.7232, 93.1124 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

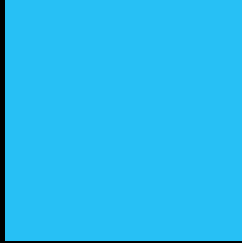
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.1678, 44.7232, 93.1124 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

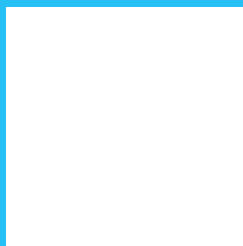
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 36.1678, 44.7232, 93.1124

## Background



This preview shows how black text looks on a background with the XYZ color 36.1678, 44.7232, 93.1124.



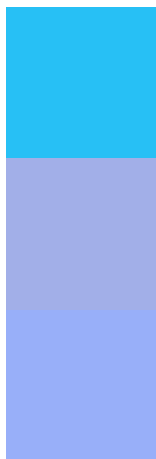
This preview shows how white text looks on a background with the XYZ color 36.1678, 44.7232,



# 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

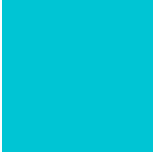
36.1678, 44.7232, 93.1124

### Protanopia

44.7958, 44.1675, 82.5081

### Deuteranopia

45.3777, 44.1749, 95.7575



## **Tritanopia**

31.8499, 44.6860, 69.2339

# Trichromacy



## Original Color

36.1678, 44.7232, 93.1124

## Protanomaly

39.1461, 42.9441, 86.3466

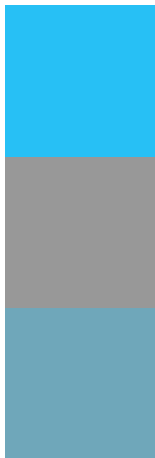
## Deuteranomaly

40.0227, 43.2046, 95.0368

## Tritanomaly

33.1508, 44.5054, 77.3642

# Monochromacy



## Original Color

36.1678, 44.7232, 93.1124

## Achromatopsia

29.8446, 31.3989, 34.1934

## Achromatomaly

29.2372, 34.5621, 51.5846

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.1678, 44.7232, 93.1124 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(39, 192, 245)` looks like.

```
.text, #text, p{  
    color:rgb(39, 192, 245)  
}
```

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(39, 192, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 192, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 36.1678, 44.7232, 93.1124 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(39, 192, 245) }
```



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

```
.border{ border-color:rgb(39, 192, 245) }
```

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

Here you see how a box with a 4 pixel rgb(39, 192, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 192, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 192, 245);  
box-shadow:4px 4px 4px 4px rgb(39, 192,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.1678, 44.7232, 93.1124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 192, 245) }
```

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

```
.background{ background-color: rgb(39, 192,  
245) }
```

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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