

# Converting Colors

XYZ(34.2178, 38.6370, 91.9586)

Have a look what the booklet for  
XYZ(34.2178, 38.6370, 91.9586)  
contains.

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# **Color**

**XYZ(34.1261, 38.4458,  
92.0083)**

# Conversions

## Conversions Part 1

Format	Color
Hex	43AFF5
RGB	67, 175, 245
RGB Percent	26%, 69%, 96%
CMY	0.7372, 0.3137, 0.0392
CMYK	0.73, 0.29, 0.00, 0.04
HSL	204°, 90%, 61%
HSV	204°, 73%, 96%
XYZ	34.1261, 38.4458, 92.0083
YIQ	150.6880, -86.8380, -1.1260

# Conversions

## Conversions Part 2

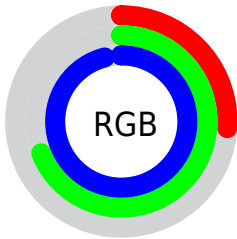
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	67, 134, 245
Decimal	4435957
CIE <sub>Lab</sub>	68.35, -8.19, -43.66
CIE <sub>LCh</sub>	68, 44.418, 259.369
Yxy	38.4458, 0.2074, 0.2336
Android (android.graphics.Color)	4282626037 (0xFF43AFF5)
YUV	150.6880, 46.4958, -73.3944
Hunter-Lab	62.0047, -10.2655, -44.5767

# Details

The XYZ color **34.1261, 38.4458, 92.0083** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **47.6172, 37.7124, 10.0816**, and the grayscale version is **29.1185, 30.6350, 33.3615**.

A 20% lighter version of the original color is **56.5002, 69.0479, 104.9574**, and **16.1601, 17.7968, 50.1603** is the 20% darker color. If you saturate the color by 10%, you get **30.9789, 34.1385, 91.3436**, and if you desaturate by 10%, it is **38.1198, 43.3893, 92.7528**.

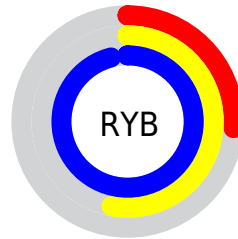
# Distribution



Red (26%)

Green (69%)

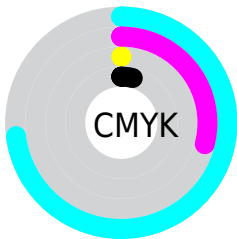
Blue (96%)



Red (26%)

Yellow (53%)

Blue (96%)

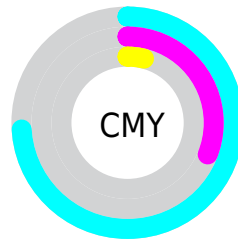


Cyan (73%)

Magenta (29%)

Yellow (0%)

Black (4%)



Cyan (74%)

Magenta (31%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.1261, 38.4458, 92.0083 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 34.1261, 38.4458, 92.0083 by changing the saturation by 10% instead.



■ 34.1261, 38.4458,  
92.0083

■ 34.1261, 38.4458,  
92.0083

312.2700,  
339.5285, 555.2801

■ 23.1538, 26.3289,  
69.0645

■ 65.4727, 72.7909,  
152.0847

■ 14.8285, 17.0698,  
50.2921

■ 86.5778, 95.7879,  
190.0543

■ 8.7846, 10.2843,  
35.2728

■ 111.7911,  
123.1803, 233.8696

■ 4.6569, 5.5879,  
23.5878

■ 141.4781,  
155.3527, 283.9491

■ 2.0801, 2.5961,  
14.8188

176.0042,  
192.6892, 340.7114

■ 0.6784, 0.9247,  
8.5471

215.7346,

■ 0.0000, 0.0000,

235.5745, 404.5750

4.3542

261.0348,  
284.3928, 475.9584

■ 0.0000, 0.0000,  
1.8216

■ 0.0000, 0.0000,  
0.4422

■ 34.1261, 38.4458,  
92.0083

■ 34.1261, 38.4458,  
92.0083

■ 30.9789, 34.1385,  
91.3436

■ 38.1198, 43.3893,  
92.7528

■ 28.5747, 30.4083,  
90.7503

■ 43.0382, 49.0115,  
93.5788

■ 27.1734, 27.9763,  
90.3547

■ 48.9543, 55.3547,  
94.4913

■ 55.9323, 62.4556,  
95.4941

■ 64.0306, 70.3479,  
96.5907

■ 73.3030, 79.0631,  
97.7842

■ 83.7998, 88.6306,  
99.0776

■ 92.5585, 97.5265,  
100.3331

■ 93.4816, 99.3726,  
100.6408

# Harmonies

## Analogous

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



28.4957, 38.4458, 78.2396



34.1261, 38.4458, 92.0083



41.1659, 38.4458, 89.4749

# Triad

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



34.1261, 38.4458, 92.0083



50.6888, 38.4458, 30.3849



27.2906, 38.4458, 21.5221

# Complementary

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



34.1261, 38.4458, 92.0083



47.6172, 37.7124, 10.0816

# 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.



32.2773, 38.4458, 15.1004



34.1261, 38.4458, 92.0083



45.9751, 38.4458, 18.9774

# Square

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



34.1261, 38.4458, 92.0083



51.3486, 38.4458, 49.3432



39.0684, 38.4458, 14.3468



24.8957, 38.4458, 35.1761



# Rectangle

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



34.1261, 38.4458, 92.0083



45.7124, 38.4458, 79.0662



39.0684, 38.4458, 14.3468



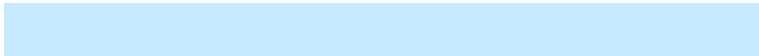
28.6875, 38.4458, 18.6588

# Sweetspot

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



34.1275, 38.4471, 92.0093



70.6978, 77.5907, 105.8581



39.3584, 68.2552, 34.1109



14.5852, 16.0829, 22.5855



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.



34.1275, 38.4471, 92.0093



32.6389, 35.4595, 99.7319



22.2686, 14.7293, 88.0563



16.4178, 17.6000, 21.0744



14.7775, 15.3488, 48.7218



1.3987, 1.5489, 4.3155



# Inverse Universe

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



47.4024, 26.5236, 43.1797



48.8328, 25.1740, 39.2099



65.3890, 73.2560, 16.0055



16.9215, 16.6514, 19.3331



23.2635, 11.6488, 16.6279

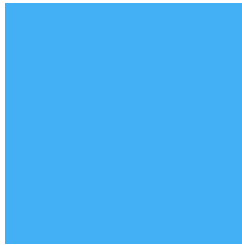


2.0951, 1.0440, 1.7271



# Previews

## White Background



This preview shows how the XYZ color 34.1261, 38.4458, 92.0083 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

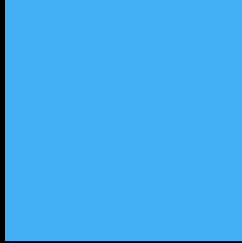
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.1261, 38.4458, 92.0083 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

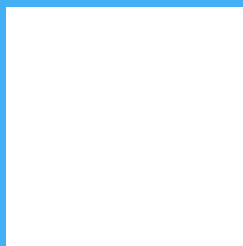
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 34.1261, 38.4458, 92.0083**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.1261, 38.4458, 92.0083.



This preview shows how white text looks on a background with the XYZ color 34.1261, 38.4458,



# 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

34.1261, 38.4458, 92.0083

### Protanopia

39.4203, 38.0322, 83.8605

### Deuteranopia

39.1457, 38.2149, 93.3087



## Tritanopia

27.7378, 38.5532, 60.0124

# Trichromacy



**Original Color**

34.1261, 38.4458, 92.0083

**Protanomaly**

36.4689, 37.5143, 86.9802

**Deuteranomaly**

36.7664, 38.0939, 92.6038

**Tritanomaly**

29.6815, 38.3989, 70.8131

# Monochromacy



**Original Color**

34.1261, 38.4458, 92.0083

**Achromatopsia**

29.4150, 30.9469, 33.7012

**Achromatomaly**

29.0735, 32.6375, 50.6663

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.1261, 38.4458, 92.0083 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(67, 175, 245)` looks like.

```
.text, #text, p{  
    color:rgb(67, 175, 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(67, 175, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 175, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 34.1261, 38.4458, 92.0083 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(67, 175, 245) }
```



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

```
.border{ border-color:rgb(67, 175, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 175, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 175, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 175, 245);  
box-shadow:4px 4px 4px 4px rgb(67, 175,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.1261, 38.4458, 92.0083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 175, 245) }
```

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

```
.background{ background-color: rgb(67, 175,  
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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