

# Converting Colors

XYZ(35.3578, 35.1184, 25.1509)

Have a look what the booklet for  
XYZ(35.3578, 35.1184, 25.1509)  
contains.

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# Color

**XYZ(35.3193, 35.1653,  
25.0047)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B89B7F
RGB	184, 155, 127
RGB Percent	72%, 61%, 50%
CMY	0.2784, 0.3921, 0.5020
CMYK	0.00, 0.16, 0.31, 0.28
HSL	29°, 29%, 61%
HSV	29°, 31%, 72%
XYZ	35.3193, 35.1653, 25.0047
YIQ	160.4790, 26.2720, -2.5600

# Conversions

## Conversions Part 2

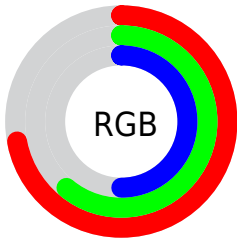
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	184, 182, 127
Decimal	12098431
CIE <sub>Lab</sub>	65.88, 6.55, 18.69
CIE <sub>LCh</sub>	66, 19.806, 70.688
Yxy	35.1653, 0.3699, 0.3683
Android (android.graphics.Color)	4290288511 (0xFFB89B7F)
YUV	160.4790, -16.5051, 20.6279
Hunter-Lab	59.3003, 2.5391, 16.5099

# Details

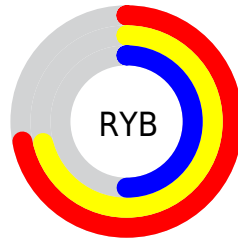
The XYZ color **35.3193, 35.1653, 25.0047** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **29.2924, 31.7488, 49.9319**, and the grayscale version is **33.7009, 35.4560, 38.6116**.

A 20% lighter version of the original color is **67.3143, 67.5970, 52.6797**, and **15.5314, 15.1965, 9.3224** is the 20% darker color. If you saturate the color by 10%, you get **32.7303, 31.7342, 18.7559**, and if you desaturate by 10%, it is **38.2499, 38.9288, 32.4486**.

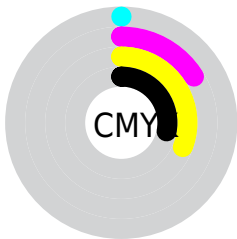
# Distribution



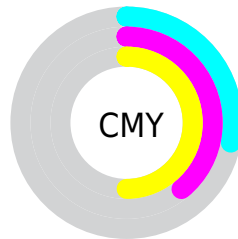
- Red (72%)
- Green (61%)
- Blue (50%)



- Red (72%)
- Yellow (71%)
- Blue (50%)



- Cyan (0%)
- Magenta (16%)
- Yellow (31%)
- Black (28%)




- Cyan (28%)
- Magenta (39%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.3193, 35.1653, 25.0047 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 35.3193, 35.1653, 25.0047 by changing the saturation by 10% instead.





 35.3193, 35.1653,  
25.0047


 35.3193, 35.1653,  
25.0047


317.4588,  
325.2974, 291.3098


 24.0766, 23.7902,  
15.8615


 67.3109, 67.7418,  
52.6291

 15.5155, 15.1781,  
9.2729


 88.7905, 89.7120,  
71.9473

 9.2706, 8.9445,  
4.8204


 114.4131,  
115.9826, 95.4943

 4.9766, 4.7050,  
2.0854

144.5441,  
146.9382, 123.6886

 2.2682, 2.0752,  
0.6070

179.5488,  
182.9631, 156.9488

 0.7783, 0.6506,  
0.0000

219.7926,

 0.0000, 0.0000,

224.4416, 195.6934

0.0000

265.6408,  
271.7583, 240.3408

■ 35.3193, 35.1653,  
25.0047

■ 35.3193, 35.1653,  
25.0047

■ 32.7303, 31.7342,  
18.7559

■ 38.2499, 38.9288,  
32.4486

■ 30.4655, 28.6204,  
13.6364

■ 41.5332, 43.0295,  
41.1445

■ 28.5100, 25.8147,  
9.5770

■ 45.1827, 47.4783,  
51.1480

■ 26.8463, 23.3054,  
6.5002

■ 49.2107, 52.2839,  
62.5110

■ 25.4547, 21.0798,  
4.3174

■ 53.6286, 57.4549,  
75.2822

■ 24.3123, 19.1236,  
2.9239

■ 58.4476, 62.9994,  
89.5083

■ 23.4571, 17.5700,  
2.1550

■ 63.5488, 68.8735,  
104.5523

■ 66.0825, 73.9409,  
105.3968

■ 68.7561, 79.2880,  
106.2880

# Harmonies

## Analogous

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



37.8747, 35.1653, 28.7140



35.3193, 35.1653, 25.0047



32.3907, 35.1653, 24.5356

# Triad

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



35.3193, 35.1653, 25.0047



28.1933, 35.1653, 41.3564



37.2281, 35.1653, 51.8555

# Complementary

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



35.3193, 35.1653, 25.0047



29.2924, 31.7488, 49.9319

# 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.



34.4781, 35.1653, 56.4092



35.3193, 35.1653, 25.0047



29.3356, 35.1653, 49.7861

# Square

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



35.3193, 35.1653, 25.0047



28.3892, 35.1653, 33.2028



31.5969, 35.1653, 55.6010



39.0204, 35.1653, 43.8699



# Rectangle

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



35.3193, 35.1653, 25.0047



30.6331, 35.1653, 26.0348



31.5969, 35.1653, 55.6010



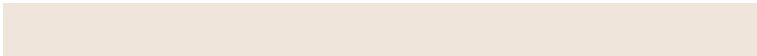
36.3786, 35.1653, 53.8876

# Sweetspot

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



35.3202, 35.1669, 25.0054



76.4484, 79.4283, 77.7188



33.3958, 27.7851, 35.2559



16.2824, 16.8792, 16.2179



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

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



35.3202, 35.1669, 25.0054



60.8421, 59.5512, 37.5706



40.5420, 45.6105, 26.7460



9.3591, 9.7212, 9.4900



16.2369, 12.2501, 1.5087



0.6344, 0.5558, 0.0738



# Inverse Universe

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



29.2924, 31.7488, 49.9319



48.2170, 52.3914, 89.7759



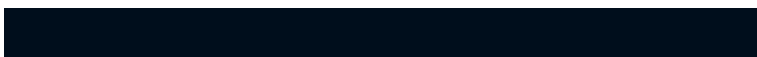
25.1172, 23.3985, 48.5402



8.8886, 9.4544, 11.4358



8.7680, 7.9958, 32.3343



0.3709, 0.4054, 1.1605



# Previews

## White Background



This preview shows how the XYZ color 35.3193, 35.1653, 25.0047 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 35.3193, 35.1653, 25.0047 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 35.3193, 35.1653, 25.0047**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.3193, 35.1653, 25.0047.



This preview shows how white text looks on a background with the XYZ color 35.3193, 35.1653,



# 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

35.3193, 35.1653, 25.0047

### Protanopia

33.1108, 35.2726, 25.8321

### Deuteranopia

35.8799, 35.2083, 24.9835



## Tritanopia

38.1670, 35.1127, 38.9482

# Trichromacy



## Original Color

35.3193, 35.1653, 25.0047

## Protanomaly

33.8023, 35.1262, 25.4205

## Deuteranomaly

35.6361, 35.0826, 24.9721

## Tritanomaly

37.1466, 35.1912, 33.2685

# Monochromacy



## Original Color

35.3193, 35.1653, 25.0047

## Achromatopsia

33.4132, 35.1533, 38.2819

## Achromatomaly

33.9343, 35.0269, 32.9893

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.3193, 35.1653, 25.0047 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(184, 155, 127)` looks like.

```
.text, #text, p{  
    color:rgb(184, 155, 127)  
}
```

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(184, 155, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 155, 127) }
```

## Border

The CSS property to change the border of an element to XYZ 35.3193, 35.1653, 25.0047 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(184, 155, 127) }
```



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

```
.border{ border-color:rgb(184, 155, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 155, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 155, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 155, 127);  
box-shadow:4px 4px 4px 4px rgb(184, 155,  
127) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.3193, 35.1653, 25.0047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 155, 127) }
```

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

```
.background{ background-color: rgb(184,  
155, 127) }
```

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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