

# Converting Colors

XYZ(25.9012, 19.9231, 13.6197)

Have a look what the booklet for  
XYZ(25.9012, 19.9231, 13.6197)  
contains.

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# Color

**XYZ(25.9599, 19.9040,  
13.5399)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B66460
RGB	182, 100, 96
RGB Percent	71%, 39%, 38%
CMY	0.2863, 0.6078, 0.6235
CMYK	0.00, 0.45, 0.47, 0.29
HSL	3°, 37%, 55%
HSV	3°, 47%, 71%
XYZ	25.9599, 19.9040, 13.5399
YIQ	124.0620, 50.1560, 16.1400

# Conversions

## Conversions Part 2

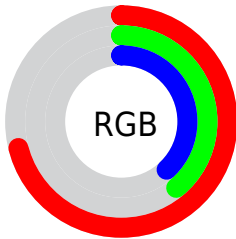
<b>Format</b>	<b>Color</b>
<b>RYB</b>	182, 100, 96
Decimal	11953248
CIELab	51.73, 32.47, 16.95
CIELCh	52, 36.630, 27.557
Yxy	19.9040, 0.4370, 0.3351
Android (android.graphics.Color)	4290143328 (0xFFB66460)
YUV	124.0620, -13.8346, 50.8116
Hunter-Lab	44.6139, 25.7911, 13.2358

# Details

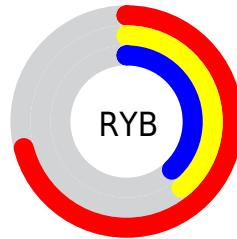
The XYZ color **25.9599, 19.9040, 13.5399** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **29.1867, 37.7029, 49.9949**, and the grayscale version is **19.2124, 20.2129, 22.0119**.

A 20% lighter version of the original color is **52.7703, 43.2638, 33.1732**, and **10.3637, 7.0336, 3.8290** is the 20% darker color. If you saturate the color by 10%, you get **23.7261, 16.6258, 9.1289**, and if you desaturate by 10%, it is **28.7431, 23.9707, 19.0914**.

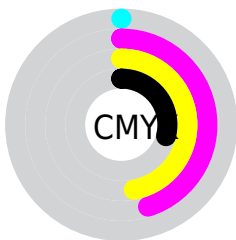
# Distribution



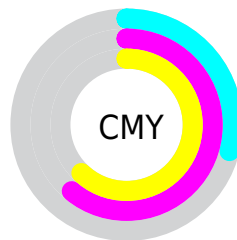
- Red (71%)
- Green (39%)
- Blue (38%)



- Red (71%)
- Yellow (39%)
- Blue (38%)



- Cyan (0%)
- Magenta (45%)
- Yellow (47%)
- Black (29%)




- Cyan (29%)
- Magenta (61%)
- Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.9599, 19.9040, 13.5399 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 25.9599, 19.9040, 13.5399 by changing the saturation by 10% instead.





 25.9599, 19.9040,  
13.5399


 25.9599, 19.9040,  
13.5399


274.8455,  
251.3949, 225.6774


 16.9262, 12.3253,  
7.6663


 52.6420, 43.2562,  
32.9757

 10.2768, 6.9656,  
3.7975


 71.0211, 59.7984,  
47.3749

 5.6466, 3.4406,  
1.5149

 93.2460, 80.0973,  
65.4531

 2.6700, 1.3659,  
0.2290

 119.6821,  
104.5372, 87.6288

 0.9818, 0.1914,  
0.0000

150.6948,  
133.5025, 114.3206

 0.0000, 0.0000,  
0.0000

186.6493,

167.3776, 145.9469

227.9111,  
206.5470, 182.9263

■ 25.9599, 19.9040,  
13.5399

■ 25.9599, 19.9040,  
13.5399

■ 23.7261, 16.6258,  
9.1289

■ 28.7431, 23.9707,  
19.0914

■ 22.0040, 14.0823,  
5.7782

■ 32.1073, 28.8692,  
25.8539

■ 20.7535, 12.2177,  
3.3991


■ 36.0833, 34.6433,  
33.8934


■ 19.9275, 10.9667,  
1.8877


■ 40.6994, 41.3328,  
43.2709


■ 19.4658, 10.2501,  
1.0961


■ 45.9821, 48.9750,  
54.0436

 19.3833, 10.1290,  
0.9335

 51.9564, 57.6053,  
66.2651

 58.6460, 67.2571,  
79.9864

 66.0736, 77.9623,  
95.2559

 73.1013, 88.6851,  
107.8728

# Harmonies

## Analogous

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



26.9622, 19.9040, 22.5532



25.9599, 19.9040, 13.5399



23.0014, 19.9040, 8.6148

# Triad

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



25.9599, 19.9040, 13.5399



13.5223, 19.9040, 12.4689



18.6162, 19.9040, 49.1015

# Complementary

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



25.9599, 19.9040, 13.5399



29.1867, 37.7029, 49.9949

# 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.



15.3492, 19.9040, 43.8422



25.9599, 19.9040, 13.5399



12.6580, 19.9040, 20.8142

# Square

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



25.9599, 19.9040, 13.5399



15.8112, 19.9040, 8.1532



13.2810, 19.9040, 32.5427



22.4076, 19.9040, 45.2477



# Rectangle

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



25.9599, 19.9040, 13.5399



20.4945, 19.9040, 7.2340



13.2810, 19.9040, 32.5427



17.4248, 19.9040, 48.3113

# Sweetspot

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



25.9604, 19.9050, 13.5403



67.8181, 66.2875, 66.3150



31.6244, 21.5710, 45.2153



14.5979, 14.0883, 13.8738



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.



25.9604, 19.9050, 13.5403



42.7632, 29.7713, 16.0563



31.0559, 30.0960, 15.2388



9.0373, 9.0775, 9.3827



13.7020, 7.1804, 0.6638



0.4944, 0.2759, 0.0272



# Inverse Universe

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



29.1867, 37.7029, 49.9949



49.3199, 66.0171, 90.3789



22.0904, 23.5102, 47.6295



9.2299, 10.1370, 11.5496



16.6007, 23.6610, 34.9452

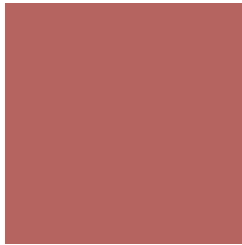


0.5963, 0.8562, 1.2356



# Previews

## White Background



This preview shows how the XYZ color 25.9599, 19.9040, 13.5399 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

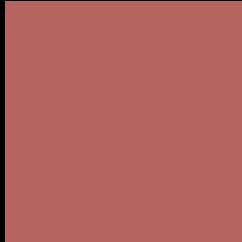
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 25.9599, 19.9040, 13.5399 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 × Fail

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

**XYZ 25.9599, 19.9040, 13.5399**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.9599, 19.9040, 13.5399.



This preview shows how white text looks on a background with the XYZ color 25.9599, 19.9040,



# 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

25.9599, 19.9040, 13.5399

### Protanopia

18.9427, 19.9733, 16.7668

### Deuteranopia

20.4267, 20.0950, 13.1580



## Tritanopia

26.5918, 20.0316, 16.1006

# Trichromacy



## Original Color

25.9599, 19.9040, 13.5399

## Protanomaly

20.9733, 19.6303, 15.5156

## Deuteranomaly

22.1126, 19.7674, 13.2397

## Tritanomaly

26.3886, 19.9503, 15.0303

# Monochromacy



## Original Color

25.9599, 19.9040, 13.5399

## Achromatopsia

19.1579, 20.1556, 21.9495

## Achromatomaly

20.8451, 19.4961, 18.5841

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.9599, 19.9040, 13.5399 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(182, 100, 96)` looks like.

```
.text, #text, p{  
    color:rgb(182, 100, 96)  
}
```

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(182, 100, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 100, 96) }
```

## Border

The CSS property to change the border of an element to XYZ 25.9599, 19.9040, 13.5399 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(182, 100, 96) }
```



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

```
.border{ border-color:rgb(182, 100, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 100, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 100, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 100, 96);  
box-shadow:4px 4px 4px 4px rgb(182, 100,  
96) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.9599, 19.9040, 13.5399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 100, 96) }
```

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

```
.background{ background-color: rgb(182,  
100, 96) }
```

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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