

Converting Colors

XYZ(31.5708, 25.3525, 20.3798)

Have a look what the booklet for
XYZ(31.5708, 25.3525, 20.3798)
contains.

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Color

**XYZ(31.6236, 25.3680,
20.3693)**

Conversions

Conversions Part 1

Format	Color
Hex	C17576
RGB	193, 117, 118
RGB Percent	76%, 46%, 46%
CMY	0.2431, 0.5412, 0.5373
CMYK	0.00, 0.39, 0.39, 0.24
HSL	359°, 38%, 61%
HSV	359°, 39%, 76%
XYZ	31.6236, 25.3680, 20.3693
YIQ	139.8380, 44.9750, 16.4230

Conversions

Conversions Part 2

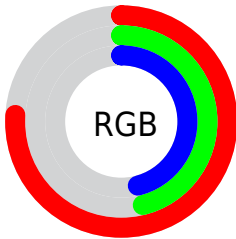
Format	Color
R _Y B	193, 117, 118
Decimal	12678518
CIE Lab	57.43, 29.95, 12.22
CIE LCh	57, 32.346, 22.201
Yxy	25.3680, 0.4088, 0.3279
Android (android.graphics.Color)	4290868598 (0xFFC17576)
YUV	139.8380, -10.7661, 46.6231
Hunter-Lab	50.3667, 23.9328, 11.2786

Details

The XYZ color **31.6236, 25.3680, 20.3693** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **35.9217, 45.7281, 56.8048**, and the grayscale version is **24.8932, 26.1896, 28.5204**.

A 20% lighter version of the original color is **61.4141, 52.1610, 44.8614**, and **13.4292, 9.7749, 6.9733** is the 20% darker color. If you saturate the color by 10%, you get **28.5824, 20.9177, 14.3239**, and if you desaturate by 10%, it is **35.3583, 30.8394, 27.7740**.

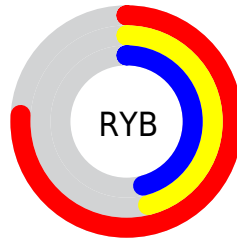
Distribution



Red (76%)

Green (46%)

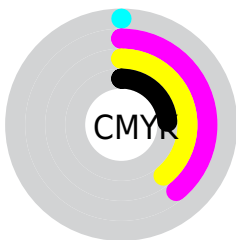
Blue (46%)



Red (76%)

Yellow (46%)

Blue (46%)

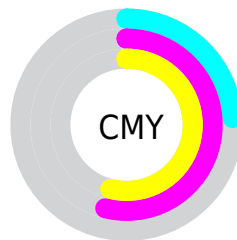


Cyan (0%)

Magenta (39%)

Yellow (39%)

Black (24%)



Cyan (24%)


Magenta (54%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6236, 25.3680, 20.3693 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 31.6236, 25.3680, 20.3693 by changing the saturation by 10% instead.


 31.6236, 25.3680,
20.3693

 31.6236, 25.3680,
20.3693


301.1769,
279.6657, 266.5775


 21.2283, 16.3514,
12.4770

 61.5897, 52.2536,
44.9026

 13.4044, 9.7732,
6.9430


 81.8913, 70.8914,
62.3806

 7.7865, 5.2488,
3.3486

 106.2256, 93.5051,
83.8911

 4.0093, 2.3940,
1.2752

134.9582,
120.4791, 109.8524

 1.7074, 0.8228,
0.0414

168.4542,
152.1978, 140.6832

 0.4609, 0.0000,
0.0000

207.0791,

 0.0000, 0.0000,

189.0455, 176.8019

0.0000

251.1982,
231.4067, 218.6271

■ 31.6236, 25.3680,
20.3693

■ 31.6236, 25.3680,
20.3693

■ 28.5824, 20.9177,
14.3239

■ 35.3583, 30.8394,
27.7740

■ 26.1901, 17.4218,
9.5537

■ 39.8234, 37.3856,
36.6119

■ 24.4002, 14.8116,
5.9680


■ 45.0557, 45.0612,
46.9537


■ 23.1591, 13.0078,
3.4631


■ 51.0887, 53.9159,
58.8646


■ 22.4038, 11.9167,
1.9177


■ 57.9541, 63.9966,
72.4063

 22.0258, 11.3718,
1.1409

 65.6819, 75.3473,
87.6370

 22.0062, 11.3430,
1.1022

 74.3005, 88.0102,
104.6119

 75.8023, 90.0775,
107.9992

Harmonies

Analogous

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



32.2018, 25.3680, 30.5948



31.6236, 25.3680, 20.3693



28.9318, 25.3680, 14.0429

Triad

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



31.6236, 25.3680, 20.3693



18.7295, 25.3680, 16.5719



23.1223, 25.3680, 54.3532

Complementary

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



31.6236, 25.3680, 20.3693



35.9217, 45.7281, 56.8048

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.



19.8588, 25.3680, 47.9540



31.6236, 25.3680, 20.3693



17.5043, 25.3680, 24.8472

Square

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



31.6236, 25.3680, 20.3693



21.4248, 25.3680, 12.2914



17.8946, 25.3680, 36.4181



27.0140, 25.3680, 52.2244

Rectangle

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



31.6236, 25.3680, 20.3693



26.4424, 25.3680, 11.9700



17.8946, 25.3680, 36.4181



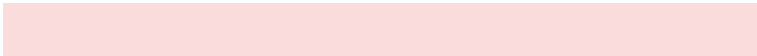
21.9218, 25.3680, 53.0796

Sweetspot

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



31.6243, 25.3693, 20.3698



77.9173, 76.6292, 78.6063



37.6583, 27.7457, 53.8227



16.4457, 16.0432, 16.3298



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



31.6243, 25.3693, 20.3698



52.0026, 38.6504, 27.2686



36.7156, 35.6461, 21.7765



10.0784, 10.0800, 10.5036



14.6390, 7.5454, 0.7453



0.6344, 0.3268, 0.0421

Inverse Universe

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



31.6243, 25.3693, 20.3698



52.0026, 38.6504, 27.2686



28.8961, 31.4999, 55.0091



10.0784, 10.0800, 10.5036



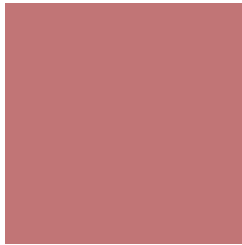
14.6390, 7.5454, 0.7453



0.6344, 0.3268, 0.0421

Previews

White Background



This preview shows how the XYZ color 31.6236, 25.3680, 20.3693 looks on a white background.

Color Contrast Check

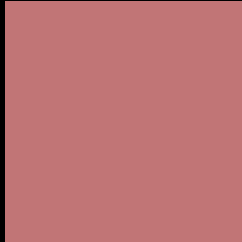
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.6236, 25.3680, 20.3693 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

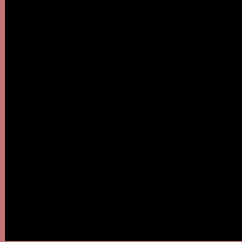
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.6236, 25.3680, 20.3693

Background



This preview shows how black text looks on a background with the XYZ color 31.6236, 25.3680, 20.3693.



This preview shows how white text looks on a background with the XYZ color 31.6236, 25.3680,

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

31.6236, 25.3680, 20.3693

Protanopia

24.3786, 25.6016, 24.4256

Deuteranopia

25.9792, 25.4864, 19.7698



Tritanopia

32.1952, 25.4408, 22.6157

Trichromacy



Original Color

31.6236, 25.3680, 20.3693

Protanomaly

26.3822, 25.0230, 22.8415

Deuteranomaly

27.7550, 25.2104, 19.9262

Tritanomaly

32.0064, 25.3653, 21.6214

Monochromacy



Original Color

31.6236, 25.3680, 20.3693

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

26.7142, 25.5394, 25.3514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6236, 25.3680, 20.3693 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(193, 117, 118)` looks like.

```
.text, #text, p{  
    color:rgb(193, 117, 118)  
}
```

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(193, 117, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 117, 118) }
```

Border

The CSS property to change the border of an element to XYZ 31.6236, 25.3680, 20.3693 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(193, 117, 118) }
```


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

```
.border{ border-color:rgb(193, 117, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 117, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 117, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 117, 118);  
box-shadow:4px 4px 4px 4px rgb(193, 117,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6236, 25.3680, 20.3693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 117, 118) }
```

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

```
.background{ background-color: rgb(193,  
117, 118) }
```

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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