

Converting Colors

XYZ(31.1266, 24.4524, 20.0701)

Have a look what the booklet for
XYZ(31.1266, 24.4524, 20.0701)
contains.

XYZ(31.1675, 24.4557, 20.2173)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.1675, 24.4557,
20.2173)**

Conversions

Conversions Part 1

Format	Color
Hex	C17176
RGB	193, 113, 118
RGB Percent	76%, 44%, 46%
CMY	0.2431, 0.5568, 0.5373
CMYK	0.00, 0.41, 0.39, 0.24
HSL	356°, 39%, 60%
HSV	356°, 41%, 76%
XYZ	31.1675, 24.4557, 20.2173
YIQ	137.4900, 46.0750, 18.5150

Conversions

Conversions Part 2

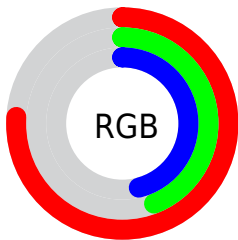
Format	Color
R _Y B	193, 113, 118
Decimal	12677494
CIE Lab	56.54, 32.11, 10.97
CIE LCh	57, 33.937, 18.862
Yxy	24.4557, 0.4110, 0.3225
Android (android.graphics.Color)	4290867574 (0xFFC17176)
YUV	137.4900, -9.6086, 48.6823
Hunter-Lab	49.4527, 25.9571, 10.3779

Details

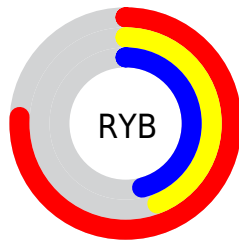
The XYZ color **31.1675, 24.4557, 20.2173** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **34.9583, 45.2821, 54.4772**, and the grayscale version is **23.9871, 25.2363, 27.4823**.

A 20% lighter version of the original color is **61.0368, 50.8702, 44.6321**, and **13.1995, 9.3156, 6.8967** is the 20% darker color. If you saturate the color by 10%, you get **28.2646, 20.2088, 14.4438**, and if you desaturate by 10%, it is **34.7358, 29.7032, 27.2307**.

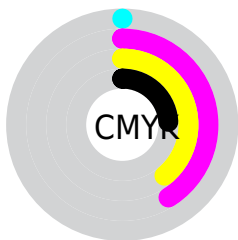
Distribution



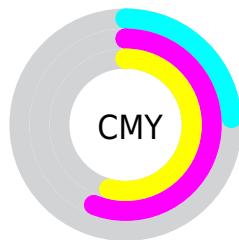
- Red (76%)
- Green (44%)
- Blue (46%)



- Red (76%)
- Yellow (44%)
- Blue (46%)



- Cyan (0%)
- Magenta (41%)
- Yellow (39%)
- Black (24%)





- Cyan (24%)
- Magenta (56%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.1675, 24.4557, 20.2173 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 31.1675, 24.4557, 20.2173 by changing the saturation by 10% instead.


 31.1675, 24.4557,
20.2173


 31.1675, 24.4557,
20.2173


299.1224,
275.1163, 265.7321


 20.8789, 15.6720,
12.3675


 60.8777, 50.7728,
44.6450


 13.1475, 9.2924,
6.8689


 81.0301, 69.0750,
62.0598

 7.6079, 4.9324,
3.3030


 105.2010, 91.3189,
83.5002

 3.8947, 2.2076,
1.2514

 133.7559,
117.8887, 109.3845

 1.6428, 0.7242,
0.0214

167.0602,
149.1690, 140.1313

 0.4200, 0.0000,
0.0000

205.4791,

 0.0000, 0.0000,

185.5441, 176.1591

0.0000

249.3780,
227.3984, 217.8865

■ 31.1675, 24.4557,
20.2173

■ 31.1675, 24.4557,
20.2173

■ 28.2646, 20.2088,
14.4438

■ 34.7358, 29.7032,
27.2307

■ 25.9841, 16.8956,
9.8368

■ 39.0052, 36.0054,
35.5490

■ 24.2809, 14.4468,
6.3171


■ 44.0112, 43.4170,
45.2341

■ 23.1031, 12.7818,
3.7954


■ 49.7861, 51.9877,
56.3437


■ 22.3892, 11.8048,
2.1677

■ 56.3606, 61.7642,
68.9322

 22.0591, 11.3642,
1.3804

 63.7635, 72.7907,
83.0510

 72.0223, 85.1091,
98.7491

 75.8024, 90.0775,
107.9992

Harmonies

Analogous

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



31.4894, 24.4557, 31.0388



31.1675, 24.4557, 20.2173



28.5877, 24.4557, 13.4121

Triad

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



31.1675, 24.4557, 20.2173



17.9975, 24.4557, 14.7619



21.8127, 24.4557, 54.0607

Complementary

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



31.1675, 24.4557, 20.2173



34.9583, 45.2821, 54.4772

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.



18.6122, 24.4557, 46.5162



31.1675, 24.4557, 20.2173



16.5810, 24.4557, 22.6564

Square

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



31.1675, 24.4557, 20.2173



20.8824, 24.4557, 10.9321



16.7926, 24.4557, 34.2683



25.7781, 24.4557, 52.8581

Rectangle

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



31.1675, 24.4557, 20.2173



26.0821, 24.4557, 11.0956



16.7926, 24.4557, 34.2683



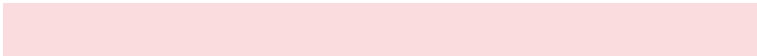
20.6204, 24.4557, 52.3942

Sweetspot

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



31.1681, 24.4569, 20.2178



78.1146, 76.7081, 79.6452



36.1885, 26.3108, 53.6233



16.4917, 16.0616, 16.5722



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.



31.1681, 24.4569, 20.2178



50.9324, 36.6467, 26.4902



35.5115, 33.6062, 20.2393



10.0981, 10.0879, 10.6073



14.6825, 7.5627, 0.9740



0.6434, 0.3304, 0.0893

Inverse Universe

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



31.1681, 24.4569, 20.2178



50.9324, 36.6467, 26.4902



28.7206, 31.9297, 55.1015



10.0981, 10.0879, 10.6073



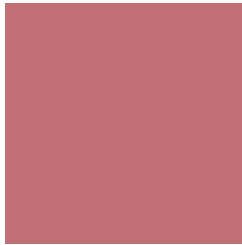
14.6825, 7.5627, 0.9740



0.6434, 0.3304, 0.0893

Previews

White Background



This preview shows how the XYZ color 31.1675, 24.4557, 20.2173 looks on a white background.

Color Contrast Check

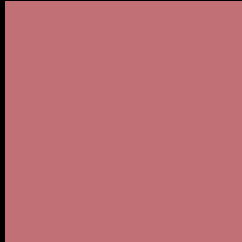
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.1675, 24.4557, 20.2173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

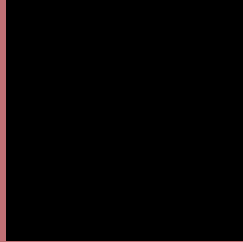
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.1675, 24.4557, 20.2173

Background



This preview shows how black text looks on a background with the XYZ color 31.1675, 24.4557, 20.2173.



This preview shows how white text looks on a background with the XYZ color 31.1675, 24.4557,

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

31.1675, 24.4557, 20.2173

Protanopia

23.6486, 24.7955, 24.6587

Deuteranopia

25.1154, 24.6385, 19.6516



Tritanopia

31.3486, 24.5282, 21.1713

Trichromacy



Original Color

31.1675, 24.4557, 20.2173

Protanomaly

25.7831, 24.3156, 23.0731

Deuteranomaly

26.9376, 24.2223, 19.7786

Tritanomaly

31.2876, 24.5038, 20.8500

Monochromacy



Original Color

31.1675, 24.4557, 20.2173

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

25.6531, 24.2181, 24.4416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1675, 24.4557, 20.2173 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, 113, 118)` looks like.

```
.text, #text, p{  
    color:rgb(193, 113, 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, 113, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 113, 118) }
```

Border

The CSS property to change the border of an element to XYZ 31.1675, 24.4557, 20.2173 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, 113, 118) }
```


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

```
.border{ border-color:rgb(193, 113, 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, 113, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 113, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 113, 118);  
box-shadow:4px 4px 4px 4px rgb(193, 113,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1675, 24.4557, 20.2173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 113, 118) }
```

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

```
.background{ background-color: rgb(193,  
113, 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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