

Converting Colors

XYZ(31.1774, 17.4727, 20.0941)

Have a look what the booklet for
XYZ(31.1774, 17.4727, 20.0941)
contains.

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Color

**XYZ(31.3192, 17.5628,
20.1516)**

Conversions

Conversions Part 1

Format	Color
Hex	D2347A
RGB	210, 52, 122
RGB Percent	82%, 20%, 48%
CMY	0.1765, 0.7960, 0.5216
CMYK	0.00, 0.75, 0.42, 0.18
HSL	333°, 64%, 51%
HSV	333°, 75%, 82%
XYZ	31.3192, 17.5628, 20.1516
YIQ	107.2220, 71.6980, 55.2660

Conversions

Conversions Part 2

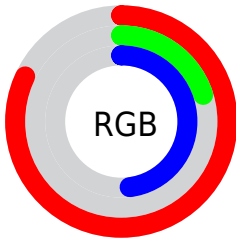
Format	Color
RYB	210, 52, 122
Decimal	13775994
CIELab	48.96, 65.34, -1.97
CIELCh	49, 65.374, 358.270
Yxy	17.5628, 0.4537, 0.2544
Android (android.graphics.Color)	4291966074 (0xFFD2347A)
YUV	107.2220, 7.2856, 90.1363
Hunter-Lab	41.9080, 60.0598, 0.8258

Details

The XYZ color **31.3192, 17.5628, 20.1516** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark muted rose. A complement of this color would be **29.1978, 48.7173, 32.6797**, and the grayscale version is **14.0046, 14.7339, 16.0452**.

A 20% lighter version of the original color is **54.6742, 35.9043, 44.0930**, and **13.8137, 6.9784, 7.0975** is the 20% darker color. If you saturate the color by 10%, you get **29.8996, 15.8146, 16.3152**, and if you desaturate by 10%, it is **33.2436, 20.1810, 24.5869**.

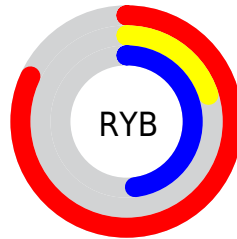
Distribution



Red (82%)

Green (20%)

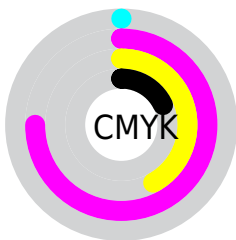
Blue (48%)



Red (82%)

Yellow (20%)

Blue (48%)

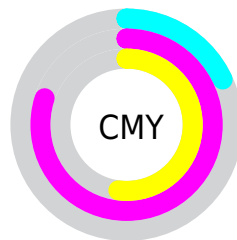


Cyan (0%)

Magenta (75%)

Yellow (42%)

Black (18%)



Cyan (18%)


Magenta (80%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3192, 17.5628, 20.1516 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 31.3192, 17.5628, 20.1516 by changing the saturation by 10% instead.

 31.3192, 17.5628,
20.1516


 31.3192, 17.5628,
20.1516

299.8069,
238.3951, 265.3660

 20.9950, 10.6366,
12.3201


 61.1147, 39.2909,
44.5335


 13.2328, 5.8230,
6.8369

 81.3168, 54.8616,
61.9210


 7.6672, 2.7378,
3.2834


 105.5422, 74.0825,
83.3310

 3.9327, 0.9964,
1.2411

 134.1563, 97.3381,
109.1819

 1.6641, 0.0000,
0.0128

 167.5245,
125.0128, 139.8923

 0.4337, 0.0000,
0.0000

206.0120,

 0.0000, 0.0000,

157.4909, 175.8807

0.0000

249.9844,
195.1569, 217.5658

■ 31.3192, 17.5628,
20.1516

■ 31.3192, 17.5628,
20.1516

■ 29.8996, 15.8146,
16.3152

■ 33.2436, 20.1810,
24.5869

■ 28.9203, 14.8123,
13.0407

■ 35.7233, 23.7656,
29.6522

■ 28.5554, 14.4925,
11.6552

■ 38.8040, 28.4031,
35.3764

■ 42.5256, 34.1698,
41.7861

■ 46.9250, 41.1345,
48.9062

■ 52.0356, 49.3608,
56.7602

■ 57.8890, 58.9076,
65.3701

■ 64.5144, 69.8300,
74.7572

■ 71.9399, 82.1801,
84.9417

Harmonies

Analogous

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



28.7430, 17.5628, 42.6923



31.3192, 17.5628, 20.1516



29.2530, 17.5628, 7.2436

Triad

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



31.3192, 17.5628, 20.1516



11.7450, 17.5628, 2.1942



11.2680, 17.5628, 64.0824

Complementary

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



31.3192, 17.5628, 20.1516



29.1978, 48.7173, 32.6797

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.



8.3677, 17.5628, 39.7711



31.3192, 17.5628, 20.1516



8.5924, 17.5628, 6.3652

Square

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



31.3192, 17.5628, 20.1516



17.0483, 17.5628, 1.3824



7.5213, 17.5628, 18.1298



16.3425, 17.5628, 75.9177

Rectangle

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



31.3192, 17.5628, 20.1516



25.7475, 17.5628, 3.4380



7.5213, 17.5628, 18.1298



10.0572, 17.5628, 56.5790

Sweetspot

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



31.3197, 17.5638, 20.1519



74.2883, 66.1897, 78.2012



23.4930, 12.5910, 62.1648



15.3232, 13.2447, 15.8291



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.



31.3197, 17.5638, 20.1519



45.4402, 23.5135, 22.2799



28.8096, 17.1720, 5.0463



12.0232, 11.8940, 13.3980



17.4673, 8.8598, 7.3668



1.0163, 0.5112, 0.6206

Inverse Universe

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



31.3197, 17.5638, 20.1519



45.4402, 23.5135, 22.2799



34.1937, 47.6717, 68.3720



12.0232, 11.8940, 13.3980



17.4673, 8.8598, 7.3668



1.0163, 0.5112, 0.6206

Previews

White Background



This preview shows how the XYZ color 31.3192, 17.5628, 20.1516 looks on a white 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

Black Background



This preview shows how the XYZ color 31.3192, 17.5628, 20.1516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

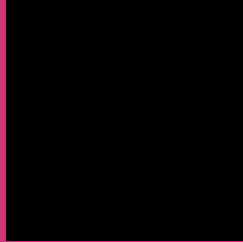
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.3192, 17.5628, 20.1516

Background



This preview shows how black text looks on a background with the XYZ color 31.3192, 17.5628, 20.1516.



This preview shows how white text looks on a background with the XYZ color 31.3192, 17.5628,

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

31.3192, 17.5628, 20.1516

Protanopia

18.2719, 17.9476, 36.2194

Deuteranopia

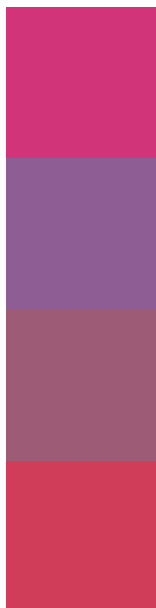
17.9957, 17.6923, 18.3861



Tritanopia

28.7858, 17.6040, 7.6751

Trichromacy



Original Color

31.3192, 17.5628, 20.1516

Protanomaly

20.3361, 15.6861, 29.5596

Deuteranomaly

21.0525, 16.0356, 18.8152

Tritanomaly

29.4843, 17.4687, 11.2690

Monochromacy



Original Color

31.3192, 17.5628, 20.1516

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

17.8344, 13.9155, 17.0752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3192, 17.5628, 20.1516 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(210, 52, 122)` looks like.

```
.text, #text, p{  
    color:rgb(210, 52, 122)  
}
```

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(210, 52, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 52, 122) }
```

Border

The CSS property to change the border of an element to XYZ 31.3192, 17.5628, 20.1516 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(210, 52, 122) }
```


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

```
.border{ border-color:rgb(210, 52, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 52, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 52, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 52, 122);  
box-shadow:4px 4px 4px 4px rgb(210, 52,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3192, 17.5628, 20.1516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 52, 122) }
```

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

```
.background{ background-color: rgb(210, 52,  
122) }
```

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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