

Converting Colors

XYZ(19.4973, 17.1458, 63.2546)

Have a look what the booklet for
XYZ(19.4973, 17.1458, 63.2546)
contains.

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Color

**XYZ(19.4973, 17.1458,
63.2546)**

Conversions

Conversions Part 1

Format	Color
Hex	416FD2
RGB	65, 111, 210
RGB Percent	25%, 44%, 82%
CMY	0.7451, 0.5647, 0.1765
CMYK	0.69, 0.47, 0.00, 0.18
HSL	221°, 62%, 54%
HSV	221°, 69%, 82%
XYZ	19.4973, 17.1458, 63.2546
YIQ	108.5320, -59.1950, 21.0370

Conversions

Conversions Part 2

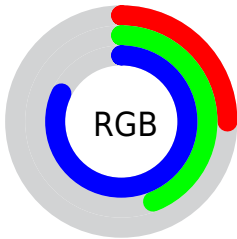
Format	Color
R _Y B	65, 100, 210
Decimal	4288466
CIE Lab	48.44, 17.11, -55.77
CIE LCh	48, 58.338, 287.055
Yxy	17.1458, 0.1952, 0.1716
Android (android.graphics.Color)	4282478546 (0xFF416FD2)
YUV	108.5320, 50.0237, -38.1776
Hunter-Lab	41.4075, 11.5861, -61.5869

Details

The XYZ color **19.4973, 17.1458, 63.2546** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **40.8102, 40.6381, 10.6956**, and the grayscale version is **14.2799, 15.0235, 16.3606**.

A 20% lighter version of the original color is **39.8724, 37.6499, 99.7734**, and **7.7498, 6.0333, 31.7664** is the 20% darker color. If you saturate the color by 10%, you get **16.9156, 13.6758, 62.7213**, and if you desaturate by 10%, it is **22.8483, 21.3854, 63.8967**.

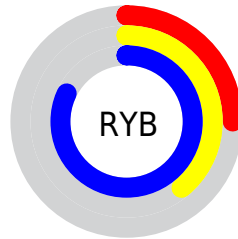
Distribution



Red (25%)

Green (44%)

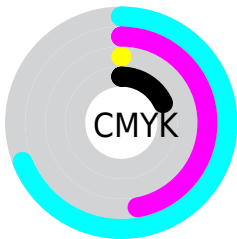
Blue (82%)



Red (25%)

Yellow (39%)

Blue (82%)

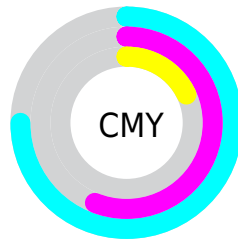


Cyan (69%)

Magenta (47%)

Yellow (0%)

Black (18%)



Cyan (75%)

Magenta (56%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4973, 17.1458, 63.2546 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 19.4973, 17.1458, 63.2546 by changing the saturation by 10% instead.

■ 19.4973, 17.1458,
63.2546

■ 19.4973, 17.1458,
63.2546

242.0663,
236.0112, 454.6262

■ 12.1363, 10.3385,
45.6049

■ 42.0832, 38.5763,
111.1259

■ 6.9094, 5.6240,
31.5877

■ 58.0387, 53.9683,
142.1845

■ 3.4513, 2.6178,
20.7846

■ 77.5898, 72.9906,
178.5498

■ 1.3967, 0.9356,
12.7769

■ 101.1019, 96.0276,
220.6404

■ 0.2539, 0.0000,
7.1462

■ 128.9402,
123.4638, 268.8748

■ 0.0000, 0.0000,
3.4739

161.4701,

■ 0.0000, 0.0000,

155.6836, 323.6716

1.3414

199.0571,
193.0712, 385.4492

■ 0.0000, 0.0000,
0.0954

■ 0.0000, 0.0000,
0.0000

■ 19.4973, 17.1458,
63.2546

■ 19.4973, 17.1458,
63.2546

■ 16.9156, 13.6758,
62.7213

■ 22.8483, 21.3854,
63.8967

■ 15.0282, 10.9188,
62.2886

■ 27.0287, 26.4419,
64.6524

■ 13.7242, 8.7984,
61.9481

■ 32.0950, 32.3601,
65.5277

■ 13.6171, 8.6214,
61.9195

■ 38.0977, 39.1807,
66.5278

■ 45.0834, 46.9417,
67.6577

■ 53.0954, 55.6788,
68.9218

■ 62.1744, 65.4258,
70.3247

■ 72.3587, 76.2147,
71.8703

■ 83.6849, 88.0761,
73.5629

Harmonies

Analogous

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



14.1029, 17.1458, 64.4939



19.4973, 17.1458, 63.2546



25.0274, 17.1458, 46.7243

Triad

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



19.4973, 17.1458, 63.2546



24.3407, 17.1458, 4.3565



8.1982, 17.1458, 12.8258

Complementary

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



19.4973, 17.1458, 63.2546



40.8102, 40.6381, 10.6956

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.



9.8767, 17.1458, 4.9466



19.4973, 17.1458, 63.2546



18.7066, 17.1458, 2.1735

Square

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



19.4973, 17.1458, 63.2546



28.2157, 17.1458, 11.3043



13.4668, 17.1458, 2.3063



8.3193, 17.1458, 28.6896

Rectangle

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



19.4973, 17.1458, 63.2546



27.6986, 17.1458, 32.6394



13.4668, 17.1458, 2.3063



8.5520, 17.1458, 9.3914

Sweetspot

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



19.4981, 17.1463, 63.2551



67.4431, 70.0691, 104.5778



31.7197, 49.8146, 41.9724



13.7748, 14.2655, 22.2775



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.



19.4981, 17.1463, 63.2551



24.6893, 18.9979, 96.9734



17.6605, 10.5674, 62.0821



11.4654, 12.0210, 14.9596



8.3866, 5.4197, 37.7966



0.5399, 0.4451, 2.1370

Inverse Universe

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



31.3387, 18.6312, 16.9835



44.9576, 24.1497, 17.1824



44.2109, 56.8938, 13.6540



11.9610, 11.8692, 13.0706



16.8639, 8.6184, 4.1894



0.9788, 0.4962, 0.4230

Previews

White Background



This preview shows how the XYZ color 19.4973, 17.1458, 63.2546 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 19.4973, 17.1458, 63.2546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

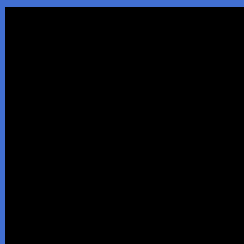
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

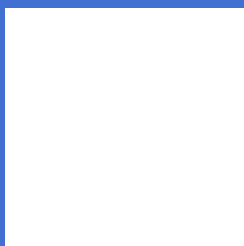
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.4973, 17.1458, 63.2546

Background



This preview shows how black text looks on a background with the XYZ color 19.4973, 17.1458, 63.2546.



This preview shows how white text looks on a background with the XYZ color 19.4973, 17.1458,

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

19.4973, 17.1458, 63.2546

Protanopia

19.4317, 17.1120, 63.2516

Deuteranopia

17.5019, 17.1788, 60.7859



Tritanopia

12.1047, 16.9849, 26.3073

Trichromacy



Original Color

19.4973, 17.1458, 63.2546

Protanomaly

19.4317, 17.1120, 63.2516

Deuteranomaly

17.7699, 16.9607, 61.3686

Tritanomaly

13.9149, 16.5493, 37.5829

Monochromacy



Original Color

19.4973, 17.1458, 63.2546

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.2784, 15.5543, 29.3912

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4973, 17.1458, 63.2546 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(65, 111, 210)` looks like.

```
.text, #text, p{  
    color:rgb(65, 111, 210)  
}
```

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(65, 111, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 111, 210) }
```

Border

The CSS property to change the border of an element to XYZ 19.4973, 17.1458, 63.2546 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(65, 111, 210) }
```


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

```
.border{ border-color:rgb(65, 111, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 111, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 111, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 111, 210);  
box-shadow:4px 4px 4px 4px rgb(65, 111,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4973, 17.1458, 63.2546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 111, 210) }
```

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

```
.background{ background-color: rgb(65, 111,  
210) }
```

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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