

Converting Colors

XYZ(18.4840, 17.0674, 51.6467)

Have a look what the booklet for
XYZ(18.4840, 17.0674, 51.6467)
contains.

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Color

**XYZ(18.4226, 17.0122,
51.6029)**

Conversions

Conversions Part 1

Format	Color
Hex	4F70BF
RGB	79, 112, 191
RGB Percent	31%, 44%, 75%
CMY	0.6902, 0.5608, 0.2510
CMYK	0.59, 0.41, 0.00, 0.25
HSL	222°, 47%, 53%
HSV	222°, 59%, 75%
XYZ	18.4226, 17.0122, 51.6029
YIQ	111.1390, -45.0270, 17.5730

Conversions

Conversions Part 2

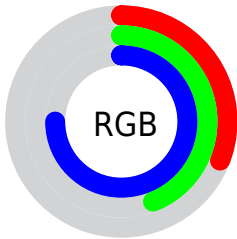
Format	Color
R_{YB}	79, 104, 191
Decimal	5206207
CIE _{Lab}	48.28, 12.31, -45.11
CIE _{LCh}	48, 46.762, 285.266
Yxy	17.0122, 0.2117, 0.1955
Android (android.graphics.Color)	4283396287 (0xFF4F70BF)
YUV	111.1390, 39.3715, -28.1859
Hunter-Lab	41.2458, 7.5474, -45.3059

Details

The XYZ color **18.4226, 17.0122, 51.6029** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **35.1252, 36.0965, 12.5143**, and the grayscale version is **15.0491, 15.8329, 17.2420**.

A 20% lighter version of the original color is **40.1938, 38.2059, 94.0630**, and **6.4057, 5.5867, 24.4076** is the 20% darker color. If you saturate the color by 10%, you get **15.6791, 13.5539, 51.0803**, and if you desaturate by 10%, it is **21.8463, 21.1518, 52.2218**.

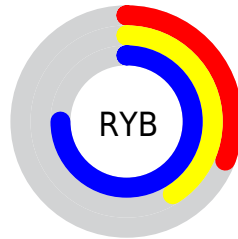
Distribution



Red (31%)

Green (44%)

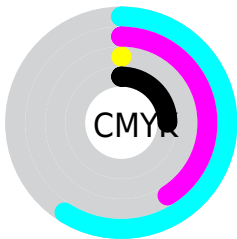
Blue (75%)



Red (31%)

Yellow (41%)

Blue (75%)

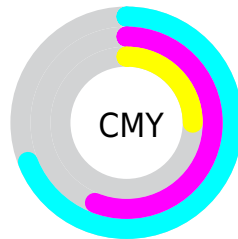


Cyan (59%)

Magenta (41%)

Yellow (0%)

Black (25%)



Cyan (69%)

Magenta (56%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4226, 17.0122, 51.6029 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 18.4226, 17.0122, 51.6029 by changing the saturation by 10% instead.

■ 18.4226, 17.0122,
51.6029

■ 18.4226, 17.0122,
51.6029

236.2421,
235.2427, 409.8149

■ 11.3553, 10.2432,
36.3086

■ 40.2806, 38.3468,
93.9659

■ 6.3754, 5.5605,
24.3810

■ 55.8020, 53.6811,
121.8718

■ 3.1175, 2.5797,
15.4017

■ 74.8722, 72.6393,
154.8185

■ 1.2162, 0.9165,
8.9521

■ 97.8565, 95.6058,
193.2247

■ 0.1191, 0.0000,
4.6135

125.1203,
122.9650, 237.5089

■ 0.0000, 0.0000,
1.9676

157.0290,

■ 0.0000, 0.0000,

155.1013, 288.0896

0.5353

193.9478,
192.3991, 345.3855

■ 0.0000, 0.0000,
0.0000

■ 18.4226, 17.0122,
51.6029

■ 18.4226, 17.0122,
51.6029

■ 15.6791, 13.5539,
51.0803

■ 21.8463, 21.1518,
52.2218

■ 13.5636, 10.7348,
50.6477

■ 25.9928, 26.0077,
52.9406

■ 12.0189, 8.5098,
50.2996

■ 30.9037, 31.6145,
53.7640

■ 10.9553, 6.8156,
50.0287

■ 36.6164, 38.0039,
54.6961

■ 10.8314, 6.6164,
49.9968

■ 43.1661, 45.2055,
55.7410

■ 50.5855, 53.2475,
56.9022

■ 58.9058, 62.1566,
58.1833

■ 68.1565, 71.9582,
59.5877

■ 78.3657, 82.6770,
61.1185

Harmonies

Analogous

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



14.1753, 17.0122, 51.7145



18.4226, 17.0122, 51.6029



22.7112, 17.0122, 40.4136

Triad

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



18.4226, 17.0122, 51.6029



22.6439, 17.0122, 6.3602



9.4734, 17.0122, 13.1767

Complementary

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



18.4226, 17.0122, 51.6029



35.1252, 36.0965, 12.5143

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.



11.0228, 17.0122, 6.4359



18.4226, 17.0122, 51.6029



18.3426, 17.0122, 3.8414

Square

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



18.4226, 17.0122, 51.6029



25.4243, 17.0122, 13.0099



14.1082, 17.0122, 3.8611



9.4872, 17.0122, 25.4088

Rectangle

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



18.4226, 17.0122, 51.6029



24.8044, 17.0122, 30.1687



14.1082, 17.0122, 3.8611



9.8149, 17.0122, 10.3425

Sweetspot

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



18.4233, 17.0128, 51.6033



65.9657, 68.4924, 98.0227



27.9761, 41.3725, 38.5898



13.7863, 14.2637, 21.4119



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.



18.4233, 17.0128, 51.6033



27.0435, 22.9231, 91.2784



17.6127, 12.1445, 50.7064



9.2394, 9.6712, 12.0520



7.1799, 4.4716, 32.8776



0.3399, 0.2925, 1.3074

Inverse Universe

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



27.2071, 17.8391, 17.3389



44.6593, 26.2490, 22.1873



36.3193, 46.2175, 14.4049



9.6427, 9.5814, 10.5075



14.6249, 7.4811, 3.3182



0.6025, 0.3049, 0.2860

Previews

White Background



This preview shows how the XYZ color 18.4226, 17.0122, 51.6029 looks on a white background.

Color Contrast Check

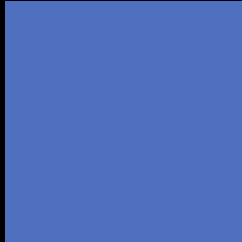
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4226, 17.0122, 51.6029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

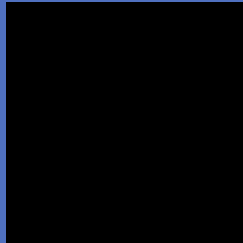
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.4226, 17.0122, 51.6029

Background



This preview shows how black text looks on a background with the XYZ color 18.4226, 17.0122, 51.6029.

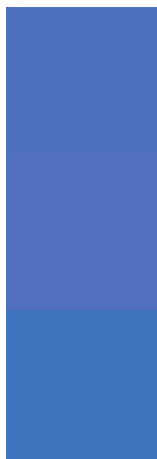


This preview shows how white text looks on a background with the XYZ color 18.4226, 17.0122,

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

18.4226, 17.0122, 51.6029

Protanopia

18.5915, 17.0993, 51.6108

Deuteranopia

17.4749, 17.0359, 51.0824



Tritanopia

13.0863, 16.9488, 25.1360

Trichromacy



Original Color

18.4226, 17.0122, 51.6029

Protanomaly

18.5064, 17.0554, 51.6068

Deuteranomaly

17.7658, 17.0175, 51.0636

Tritanomaly

14.7472, 16.8895, 33.4931

Monochromacy



Original Color

18.4226, 17.0122, 51.6029

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.5637, 15.9150, 27.0625

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4226, 17.0122, 51.6029 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(79, 112, 191)` looks like.

```
.text, #text, p{  
    color:rgb(79, 112, 191)  
}
```

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(79, 112, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 112, 191) }
```

Border

The CSS property to change the border of an element to XYZ 18.4226, 17.0122, 51.6029 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(79, 112, 191) }
```


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

```
.border{ border-color:rgb(79, 112, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 112, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 112, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 112, 191);  
box-shadow:4px 4px 4px 4px rgb(79, 112,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4226, 17.0122, 51.6029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 112, 191) }
```

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

```
.background{ background-color: rgb(79, 112,  
191) }
```

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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