

Converting Colors

XYZ(18.6239, 20.3321, 44.0475)

Have a look what the booklet for
XYZ(18.6239, 20.3321, 44.0475)
contains.

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Color

**XYZ(18.6672, 20.3716,
44.0225)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 4C81B0 |
| RGB | 76, 129, 176 |
| RGB Percent | 30%, 51%, 69% |
| CMY | 0.7019, 0.4941, 0.3098 |
| CMYK | 0.57, 0.27, 0.00, 0.31 |
| HSL | 208°, 40%, 49% |
| HSV | 208°, 57%, 69% |
| XYZ | 18.6672, 20.3716, 44.0225 |
| YIQ | 118.5110, -46.6750, 3.3810 |

Conversions

Conversions Part 2

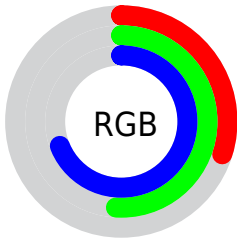
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 76, 111, 176 |
| Decimal | 5013936 |
| CIE Lab | 52.25, -3.57, -30.21 |
| CIE LCh | 52, 30.418, 263.269 |
| Yxy | 20.3716, 0.2247, 0.2453 |
| Android (android.graphics.Color) | 4283204016 (0xFF4C81B0) |
| YUV | 118.5110, 28.3421, -37.2821 |
| Hunter-Lab | 45.1349, -5.1609, -26.2343 |

Details

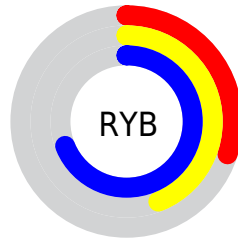
The XYZ color **18.6672, 20.3716, 44.0225** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **26.2927, 23.9188, 10.0693**, and the grayscale version is **17.3051, 18.2063, 19.8267**.

A 20% lighter version of the original color is **40.8092, 44.1876, 82.7221**, and **6.4814, 7.1867, 19.7845** is the 20% darker color. If you saturate the color by 10%, you get **16.4097, 17.6555, 43.6176**, and if you desaturate by 10%, it is **21.3969, 23.4628, 44.4757**.

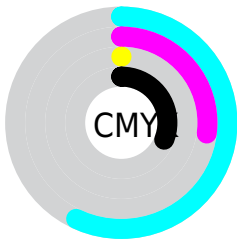
Distribution



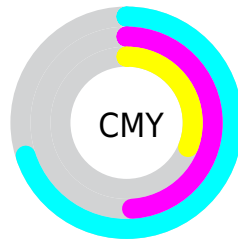
- Red (30%)
- Green (51%)
- Blue (69%)



- Red (30%)
- Yellow (44%)
- Blue (69%)



- Cyan (57%)
- Magenta (27%)
- Yellow (0%)
- Black (31%)



- Cyan (70%)
- Magenta (49%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6672, 20.3716, 44.0225 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 18.6672, 20.3716, 44.0225 by changing the saturation by 10% instead.

■ 18.6672, 20.3716,
44.0225

■ 18.6672, 20.3716,
44.0225

237.5788,
253.9198, 378.8441

■ 11.5326, 12.6654,
30.3509

■ 40.6922, 44.0393,
82.5544

■ 6.4962, 7.1986,
19.8508

■ 56.3134, 60.7697,
108.2518

■ 3.1926, 3.5866,
12.1036

■ 75.4941, 81.2769,
138.7949

■ 1.2564, 1.4451,
6.6909

■ 98.5998, 105.9454,
174.6022

■ 0.1502, 0.2496,
3.1940

■ 125.9957,
135.1595, 216.0922

■ 0.0000, 0.0000,
1.1945

158.0473,

■ 0.0000, 0.0000,

169.3037, 263.6835

0.0000

195.1199,
208.7623, 317.7946

■ 18.6672, 20.3716,
44.0225

■ 18.6672, 20.3716,
44.0225

■ 16.4097, 17.6555,
43.6176

■ 21.3969, 23.4628,
44.4757

■ 14.5880, 15.2916,
43.2574

■ 24.6270, 26.9456,
44.9777

■ 13.1636, 13.2572,
42.9398

■ 28.3858, 30.8378,
45.5308

■ 12.0817, 11.5207,
42.6616

■ 32.6990, 35.1553,
46.1369

■ 11.7754, 11.0124,
42.5796

■ 37.5902, 39.9133,
46.7975

■ 43.0818, 45.1257,
47.5141

■ 49.1948, 50.8060,
48.2883

■ 55.9492, 56.9670,
49.1215

■ 63.3641, 63.6210,
50.0151

Harmonies

Analogous

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



15.9884, 20.3716, 39.0190



18.6672, 20.3716, 44.0225



21.8334, 20.3716, 42.0310

Triad

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



18.6672, 20.3716, 44.0225



25.4204, 20.3716, 16.0565



14.9371, 20.3716, 13.4029

Complementary

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



18.6672, 20.3716, 44.0225



26.2927, 23.9188, 10.0693

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.



17.0856, 20.3716, 9.8353



18.6672, 20.3716, 44.0225



23.1810, 20.3716, 11.0547

Square

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



18.6672, 20.3716, 44.0225



25.9603, 20.3716, 24.2588



20.0750, 20.3716, 9.1093



13.9897, 20.3716, 20.2258

Rectangle

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



18.6672, 20.3716, 44.0225



23.7777, 20.3716, 37.2102



20.0750, 20.3716, 9.1093



15.5309, 20.3716, 11.8665

Sweetspot

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



18.6679, 20.3723, 44.0230



58.9041, 63.3642, 83.6212



22.0608, 34.0094, 24.0323



12.4204, 13.3903, 18.0743



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



18.6679, 20.3723, 44.0230



28.9077, 30.9464, 78.9450



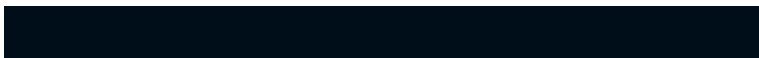
13.6378, 10.3121, 42.3463



8.4023, 8.9508, 10.7912



8.6988, 8.1980, 31.2609



0.3315, 0.3735, 1.0029

Inverse Universe

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



24.4520, 15.9847, 22.5662



40.8980, 23.9689, 33.9904



34.0892, 39.5118, 12.6682



8.6783, 8.5780, 9.8042



14.6254, 7.3677, 8.4534



0.4894, 0.2435, 0.4196

Previews

White Background



This preview shows how the XYZ color 18.6672, 20.3716, 44.0225 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 18.6672, 20.3716, 44.0225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

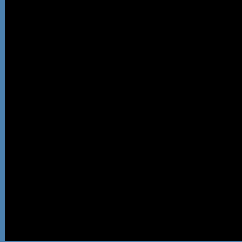
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.6672, 20.3716, 44.0225

Background



This preview shows how black text looks on a background with the XYZ color 18.6672, 20.3716, 44.0225.

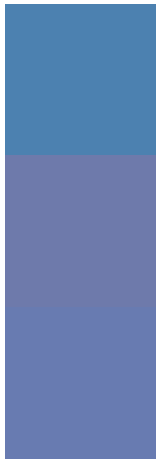


This preview shows how white text looks on a background with the XYZ color 18.6672, 20.3716,

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

18.6672, 20.3716, 44.0225

Protanopia

20.7406, 20.1743, 41.3290

Deuteranopia

20.7277, 20.2833, 44.4176



Tritanopia

15.9666, 20.4933, 30.3082

Trichromacy



Original Color

18.6672, 20.3716, 44.0225

Protanomaly

19.9134, 20.2810, 42.4002

Deuteranomaly

19.8855, 20.2212, 44.4500

Tritanomaly

16.8572, 20.4383, 34.9548

Monochromacy



Original Color

18.6672, 20.3716, 44.0225

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.4101, 18.9429, 27.5497

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6672, 20.3716, 44.0225 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(76, 129, 176)` looks like.

```
.text, #text, p{  
    color:rgb(76, 129, 176)  
}
```

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(76, 129, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 129, 176) }
```

Border

The CSS property to change the border of an element to XYZ 18.6672, 20.3716, 44.0225 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(76, 129, 176) }
```


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

```
.border{ border-color:rgb(76, 129, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 129, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 129, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 129, 176);  
box-shadow:4px 4px 4px 4px rgb(76, 129,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6672, 20.3716, 44.0225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 129, 176) }
```

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

```
.background{ background-color: rgb(76, 129,  
176) }
```

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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