

Converting Colors

XYZ(16.7947, 17.8372, 46.2321)

Have a look what the booklet for
XYZ(16.7947, 17.8372, 46.2321)
contains.

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Color

**XYZ(16.8087, 17.8517,
46.2759)**

Conversions

Conversions Part 1

Format	Color
Hex	3879B5
RGB	56, 121, 181
RGB Percent	22%, 47%, 71%
CMY	0.7804, 0.5255, 0.2902
CMYK	0.69, 0.33, 0.00, 0.29
HSL	209°, 53%, 46%
HSV	209°, 69%, 71%
XYZ	16.8087, 17.8517, 46.2759
YIQ	108.4050, -58.0000, 4.8800

Conversions

Conversions Part 2

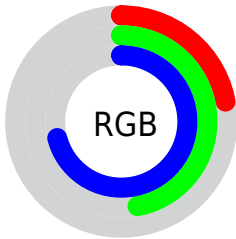
Format	Color
RYB	56, 99, 181
Decimal	3701173
CIELab	49.32, -0.88, -37.76
CIELCh	49, 37.767, 268.663
Yxy	17.8517, 0.2077, 0.2206
Android (android.graphics.Color)	4281891253 (0xFF3879B5)
YUV	108.4050, 35.7893, -45.9592
Hunter-Lab	42.2513, -2.9276, -35.3618

Details

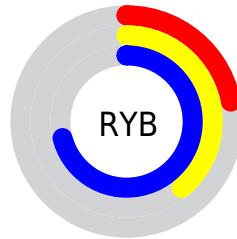
The XYZ color **16.8087, 17.8517, 46.2759** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **26.0162, 22.6015, 6.7335**, and the grayscale version is **14.2825, 15.0264, 16.3637**.

A 20% lighter version of the original color is **37.5658, 39.7835, 85.8198**, and **6.2788, 6.3236, 21.3117** is the 20% darker color. If you saturate the color by 10%, you get **14.9652, 15.4041, 45.9010**, and if you desaturate by 10%, it is **19.1142, 20.6792, 46.7005**.

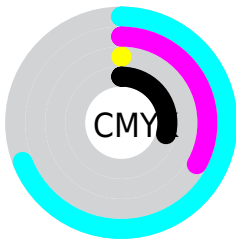
Distribution



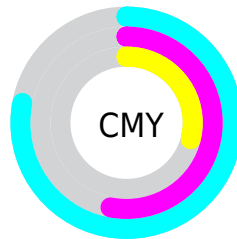
- Red (22%)
- Green (47%)
- Blue (71%)



- Red (22%)
- Yellow (39%)
- Blue (71%)



- Cyan (69%)
- Magenta (33%)
- Yellow (0%)
- Black (29%)



- Cyan (78%)
- Magenta (53%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8087, 17.8517, 46.2759 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 16.8087, 17.8517, 46.2759 by changing the saturation by 10% instead.

■ 16.8087, 17.8517,
46.2759

■ 16.8087, 17.8517,
46.2759

227.2453,
240.0338, 388.2265

■ 10.1926, 10.8436,
32.1134

■ 37.5428, 39.7845,
85.9704

■ 5.5901, 5.9617,
21.1826

■ 52.3915, 55.4779,
112.3394

■ 2.6358, 2.8218,
13.0650

■ 70.7152, 74.8352,
143.6143

■ 0.9642, 1.0394,
7.3420

■ 92.8792, 98.2408,
180.2137

■ 0.0000, 0.0000,
3.5952

■ 119.2489,
126.0790, 222.5561

■ 0.0000, 0.0000,
1.4060

150.1896,

■ 0.0000, 0.0000,

158.7344, 271.0600

0.1464

186.0666,
196.5912, 326.1439

■ 0.0000, 0.0000,
0.0000

■ 16.8087, 17.8517,
46.2759

■ 16.8087, 17.8517,
46.2759

■ 14.9652, 15.4041,
45.9010

■ 19.1142, 20.6792,
46.7005

■ 13.5378, 13.3082,
45.5717

■ 21.9177, 23.9079,
47.1760

■ 12.4484, 11.5203,
45.2840

■ 25.2532, 27.5590,
47.7049

■ 12.3538, 11.3626,
45.2586

■ 29.1513, 31.6517,
48.2894

■ 33.6398, 36.2036,
48.9314

■ 38.7447, 41.2310,
49.6328

■ 44.4904, 46.7497,
50.3952

■ 50.8998, 52.7743,
51.2202

■ 57.9946, 59.3191,
52.1095

Harmonies

Analogous

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



13.6582, 17.8517, 41.3824



16.8087, 17.8517, 46.2759



20.4581, 17.8517, 42.1421

Triad

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



16.8087, 17.8517, 46.2759



23.6921, 17.8517, 11.4852



11.7779, 17.8517, 10.9377

Complementary

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



16.8087, 17.8517, 46.2759



26.0162, 22.6015, 6.7335

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.



13.8984, 17.8517, 6.8321



16.8087, 17.8517, 46.2759



20.7723, 17.8517, 7.0618

Square

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



16.8087, 17.8517, 46.2759



24.7506, 17.8517, 19.8973



17.1273, 17.8517, 5.7090



11.0155, 17.8517, 18.9848

Rectangle

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



16.8087, 17.8517, 46.2759



22.6283, 17.8517, 35.4264



17.1273, 17.8517, 5.7090



12.3395, 17.8517, 9.1708

Sweetspot

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



16.8094, 17.8523, 46.2764



58.3082, 62.8954, 87.3615



21.2118, 35.1116, 21.6796



12.1232, 13.1099, 18.8138



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



16.8094, 17.8523, 46.2764



25.3526, 25.5127, 81.8828



11.5967, 7.4270, 44.5388



8.3953, 8.9368, 10.7888



8.5862, 7.9727, 31.2233



0.3282, 0.3669, 1.0018

Inverse Universe

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



23.9220, 14.0333, 19.5376



39.7014, 21.0308, 27.2179



35.4596, 41.4883, 9.8813



8.6747, 8.5766, 9.7855



14.5685, 7.3450, 8.1539



0.4877, 0.2428, 0.4108

Previews

White Background



This preview shows how the XYZ color 16.8087, 17.8517, 46.2759 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 16.8087, 17.8517, 46.2759 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 16.8087, 17.8517, 46.2759

Background



This preview shows how black text looks on a background with the XYZ color 16.8087, 17.8517, 46.2759.

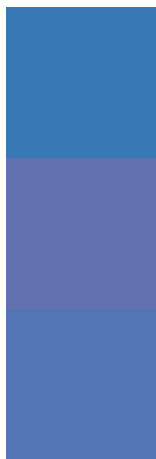


This preview shows how white text looks on a background with the XYZ color 16.8087, 17.8517,

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

16.8087, 17.8517, 46.2759

Protanopia

18.7911, 17.8829, 43.5356

Deuteranopia

18.2845, 17.8938, 46.7461



Tritanopia

12.9848, 17.8006, 27.5624

Trichromacy



Original Color

16.8087, 17.8517, 46.2759

Protanomaly

17.7905, 17.6863, 44.5956

Deuteranomaly

17.6696, 17.7507, 46.7509

Tritanomaly

14.1048, 17.6633, 33.6763

Monochromacy



Original Color

16.8087, 17.8517, 46.2759

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.3981, 15.6834, 25.1900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8087, 17.8517, 46.2759 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(56, 121, 181)` looks like.

```
.text, #text, p{  
    color:rgb(56, 121, 181)  
}
```

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(56, 121, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 121, 181) }
```

Border

The CSS property to change the border of an element to XYZ 16.8087, 17.8517, 46.2759 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(56, 121, 181) }
```


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

```
.border{ border-color:rgb(56, 121, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 121, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 121, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 121, 181);  
box-shadow:4px 4px 4px 4px rgb(56, 121,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8087, 17.8517, 46.2759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 121, 181) }
```

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

```
.background{ background-color: rgb(56, 121,  
181) }
```

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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