

Converting Colors

XYZ(17.8942, 19.0998, 48.6424)

Have a look what the booklet for
XYZ(17.8942, 19.0998, 48.6424)
contains.

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Color

**XYZ(17.8942, 19.0998,
48.6424)**

Conversions

Conversions Part 1

Format	Color
Hex	3B7DB9
RGB	59, 125, 185
RGB Percent	23%, 49%, 73%
CMY	0.7686, 0.5098, 0.2745
CMYK	0.68, 0.32, 0.00, 0.27
HSL	209°, 52%, 48%
HSV	209°, 68%, 73%
XYZ	17.8942, 19.0998, 48.6424
YIQ	112.1060, -58.5960, 4.6680

Conversions

Conversions Part 2

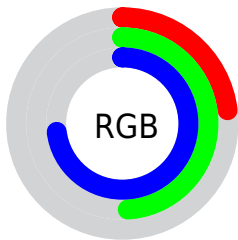
Format	Color
R_{YB}	59, 102, 185
Decimal	3898809
CIE _{Lab}	50.80, -1.38, -37.71
CIE _{LCh}	51, 37.737, 267.906
Yxy	19.0998, 0.2090, 0.2230
Android (android.graphics.Color)	4282088889 (0xFF3B7DB9)
YUV	112.1060, 35.9367, -46.5740
Hunter-Lab	43.7033, -3.3945, -35.3983

Details

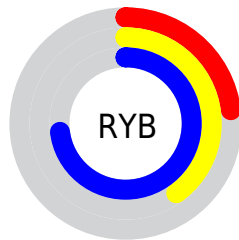
The XYZ color **17.8942, 19.0998, 48.6424** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **27.3950, 23.8255, 7.2937**, and the grayscale version is **15.3433, 16.1423, 17.5790**.

A 20% lighter version of the original color is **39.2071, 41.7171, 89.2049**, and **6.7506, 6.9464, 22.4577** is the 20% darker color. If you saturate the color by 10%, you get **15.9195, 16.4991, 48.2449**, and if you desaturate by 10%, it is **20.3578, 22.0999, 49.0920**.

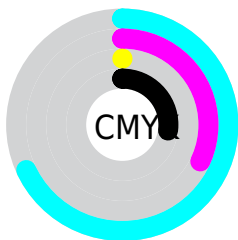
Distribution



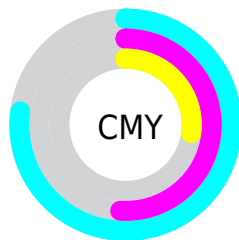
- Red (23%)
- Green (49%)
- Blue (73%)



- Red (23%)
- Yellow (40%)
- Blue (73%)



- Cyan (68%)
- Magenta (32%)
- Yellow (0%)
- Black (27%)



- Cyan (77%)
- Magenta (51%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8942, 19.0998, 48.6424 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 17.8942, 19.0998, 48.6424 by changing the saturation by 10% instead.

■ 17.8942, 19.0998,
48.6424

■ 17.8942, 19.0998,
48.6424

233.3312,
246.9992, 397.9147

■ 10.9733, 11.7424,
33.9723

■ 39.3885, 41.9027,
89.5356

■ 6.1160, 6.5685,
22.5951

■ 54.6925, 58.1169,
116.5958

■ 2.9571, 3.1938,
14.0924

■ 73.5217, 78.0523,
148.6230

■ 1.1311, 1.2337,
8.0454

■ 96.2412, 102.0931,
186.0359

■ 0.0509, 0.0890,
4.0359

■ 123.2166,
130.6238, 229.2530

■ 0.0000, 0.0000,
1.6450

154.8132,

■ 0.0000, 0.0000,

164.0288, 278.6928

0.3227

191.3962,
202.6925, 334.7739

■ 0.0000, 0.0000,
0.0000

■ 17.8942, 19.0998,
48.6424

■ 17.8942, 19.0998,
48.6424

■ 15.9195, 16.4991,
48.2449

■ 20.3578, 22.0999,
49.0920

■ 14.3856, 14.2686,
47.8952

■ 23.3474, 25.5214,
49.5949

■ 13.2223, 12.3682,
47.5897

■ 26.8989, 29.3867,
50.1538

■ 13.0226, 12.0339,
47.5357

■ 31.0438, 33.7153,
50.7708

■ 35.8115, 38.5258,
51.4480

■ 41.2291, 43.8353,
52.1873

■ 47.3221, 49.6601,
52.9905

■ 54.1145, 56.0155,
53.8592

■ 61.6292, 62.9164,
54.7952

Harmonies

Analogous

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



14.6195, 19.0998, 43.3652



17.8942, 19.0998, 48.6424



21.7033, 19.0998, 44.5959

Triad

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



17.8942, 19.0998, 48.6424



25.2200, 19.0998, 12.6216



12.7536, 19.0998, 11.7166

Complementary

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



17.8942, 19.0998, 48.6424



27.3950, 23.8255, 7.2937

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.



15.0140, 19.0998, 7.4577



17.8942, 19.0998, 48.6424



22.2162, 19.0998, 7.8411

Square

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



17.8942, 19.0998, 48.6424



26.2614, 19.0998, 21.5524



18.4159, 19.0998, 6.3273



11.9144, 19.0998, 20.0583

Rectangle

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



17.8942, 19.0998, 48.6424



23.9819, 19.0998, 37.7292



18.4159, 19.0998, 6.3273



13.3558, 19.0998, 9.8829

Sweetspot

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



17.8949, 19.1004, 48.6429



62.1406, 67.0075, 91.8632



22.4116, 36.9316, 23.0260



12.8737, 13.9204, 19.7300



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



17.8949, 19.1004, 48.6429



26.9801, 27.3784, 86.0672



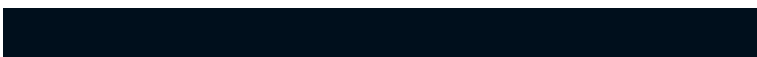
12.3501, 8.0109, 46.7946



8.8999, 9.4769, 11.4396



8.9406, 8.3408, 32.3918



0.3767, 0.4171, 1.1624

Inverse Universe

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



25.2739, 14.9238, 20.9510



41.8986, 22.2896, 29.3284



37.2808, 43.5970, 10.5889



9.1958, 9.0887, 10.3785



15.1265, 7.6243, 8.5527



0.5643, 0.2812, 0.4651

Previews

White Background



This preview shows how the XYZ color 17.8942, 19.0998, 48.6424 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 17.8942, 19.0998, 48.6424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

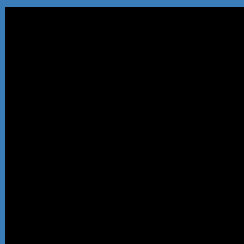
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

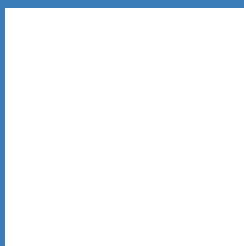
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.8942, 19.0998, 48.6424

Background



This preview shows how black text looks on a background with the XYZ color 17.8942, 19.0998, 48.6424.



This preview shows how white text looks on a background with the XYZ color 17.8942, 19.0998,

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

17.8942, 19.0998, 48.6424

Protanopia

19.8706, 18.9209, 45.2526

Deuteranopia

19.5099, 19.0043, 49.0943



Tritanopia

13.9866, 19.0800, 29.3312

Trichromacy



Original Color

17.8942, 19.0998, 48.6424

Protanomaly

18.9242, 18.9422, 46.3749

Deuteranomaly

18.8830, 19.0420, 49.1346

Tritanomaly

15.1551, 18.9399, 35.6579

Monochromacy



Original Color

17.8942, 19.0998, 48.6424

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.5357, 16.9138, 26.8720

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8942, 19.0998, 48.6424 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(59, 125, 185)` looks like.

```
.text, #text, p{  
    color:rgb(59, 125, 185)  
}
```

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(59, 125, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 125, 185) }
```

Border

The CSS property to change the border of an element to XYZ 17.8942, 19.0998, 48.6424 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(59, 125, 185) }
```


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

```
.border{ border-color:rgb(59, 125, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 125, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 125, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 125, 185);  
box-shadow:4px 4px 4px 4px rgb(59, 125,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8942, 19.0998, 48.6424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 125, 185) }
```

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

```
.background{ background-color: rgb(59, 125,  
185) }
```

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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