

Converting Colors

XYZ(17.9589, 17.4970, 57.0743)

Have a look what the booklet for
XYZ(17.9589, 17.4970, 57.0743)
contains.

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Color

**XYZ(17.9589, 17.4970,
57.0743)**

Conversions

Conversions Part 1

Format	Color
Hex	2F75C8
RGB	47, 117, 200
RGB Percent	18%, 46%, 78%
CMY	0.8156, 0.5412, 0.2157
CMYK	0.76, 0.41, 0.00, 0.22
HSL	213°, 62%, 48%
HSV	213°, 76%, 78%
XYZ	17.9589, 17.4970, 57.0743
YIQ	105.5320, -68.3630, 10.9730

Conversions

Conversions Part 2

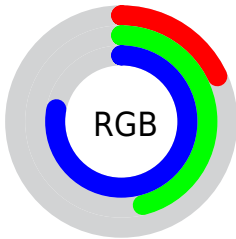
Format	Color
R_{YB}	47, 95, 200
Decimal	3110344
CIE _{Lab}	48.88, 7.26, -49.40
CIE _{LCh}	49, 49.927, 278.358
Yxy	17.4970, 0.1941, 0.1891
Android (android.graphics.Color)	4281300424 (0xFF2F75C8)
YUV	105.5320, 46.5727, -51.3326
Hunter-Lab	41.8294, 3.4351, -51.6179

Details

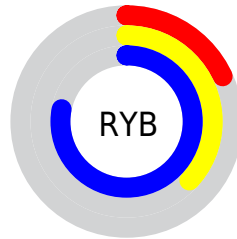
The XYZ color **17.9589, 17.4970, 57.0743** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark muted azure. A complement of this color would be **32.3172, 28.4533, 6.4794**, and the grayscale version is **13.4634, 14.1646, 15.4252**.

A 20% lighter version of the original color is **39.1774, 39.1733, 100.1041**, and **7.3010, 6.4247, 27.6433** is the 20% darker color. If you saturate the color by 10%, you get **16.0472, 14.7424, 56.6438**, and if you desaturate by 10%, it is **20.4408, 20.7635, 57.5744**.

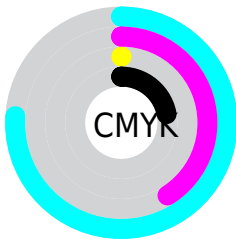
Distribution



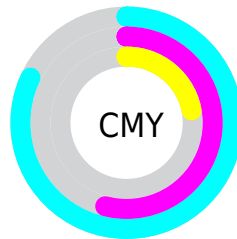
- Red (18%)
- Green (46%)
- Blue (78%)



- Red (18%)
- Yellow (37%)
- Blue (78%)



- Cyan (76%)
- Magenta (41%)
- Yellow (0%)
- Black (22%)



- Cyan (82%)
- Magenta (54%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9589, 17.4970, 57.0743 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 17.9589, 17.4970, 57.0743 by changing the saturation by 10% instead.

■ 17.9589, 17.4970,
57.0743

■ 17.9589, 17.4970,
57.0743

233.6893,
238.0204, 431.2292

■ 11.0200, 10.5895,
40.6551

■ 39.4979, 39.1783,
102.0750

■ 6.1477, 5.7915,
27.7320

■ 54.8287, 54.7209,
131.4936

■ 2.9766, 2.7187,
17.8865

■ 73.6876, 73.9107,
166.0825

■ 1.1414, 0.9867,
10.6999

■ 96.4398, 97.1320,
206.2601

■ 0.0593, 0.0000,
5.7538

■ 123.4507,
124.7692, 252.4451

■ 0.0000, 0.0000,
2.6296

155.0857,

■ 0.0000, 0.0000,

157.2067, 305.0559

0.9077

191.7101,
194.8290, 364.5111

■ 0.0000, 0.0000,
0.0000

■ 17.9589, 17.4970,
57.0743

■ 17.9589, 17.4970,
57.0743

■ 16.0472, 14.7424,
56.6438

■ 20.4408, 20.7635,
57.5744

■ 14.6324, 12.4539,
56.2766

■ 23.5465, 24.5760,
58.1466

■ 14.2090, 11.7373,
56.1606

■ 27.3253, 28.9668,
58.7949

■ 31.8204, 33.9647,
59.5227

■ 37.0711, 39.5960,
60.3329

■ 43.1137, 45.8855,
61.2284

■ 49.9819, 52.8563,
62.2119

■ 57.7076, 60.5304,
63.2860

■ 66.3208, 68.9287,
64.4531

Harmonies

Analogous

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



13.5569, 17.4970, 53.9587



17.9589, 17.4970, 57.0743



22.7927, 17.4970, 46.8715

Triad

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



17.9589, 17.4970, 57.0743



24.6382, 17.4970, 7.2009



9.6492, 17.4970, 11.1069

Complementary

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



17.9589, 17.4970, 57.0743



32.3172, 28.4533, 6.4794

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.



11.6927, 17.4970, 5.2324



17.9589, 17.4970, 57.0743



20.1364, 17.4970, 3.8169

Square

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



17.9589, 17.4970, 57.0743



27.0910, 17.4970, 15.5788



15.3690, 17.4970, 3.3175



9.2829, 17.4970, 23.0047

Rectangle

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



17.9589, 17.4970, 57.0743



25.4241, 17.4970, 35.8116



15.3690, 17.4970, 3.3175



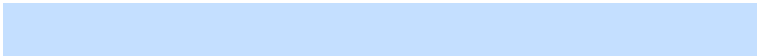
10.1416, 17.4970, 8.5578

Sweetspot

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



17.9596, 17.4975, 57.0748



67.3422, 71.8749, 104.9317



25.7636, 43.4880, 27.6680



13.6336, 14.5634, 22.3424



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.



17.9596, 17.4975, 57.0748



26.0299, 22.7393, 97.6249



12.8643, 6.9372, 55.3050



10.4497, 11.0735, 13.5041



9.1219, 7.6377, 35.7378



0.5041, 0.5060, 1.7162

Inverse Universe

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



28.0475, 15.5978, 18.3623



45.3754, 23.3258, 22.4377



43.6479, 53.1031, 10.6401



10.8323, 10.7163, 12.1001



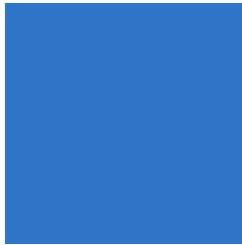
16.4036, 8.3110, 7.3354



0.8132, 0.4081, 0.5392

Previews

White Background



This preview shows how the XYZ color 17.9589, 17.4970, 57.0743 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 17.9589, 17.4970, 57.0743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

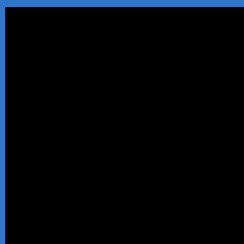
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

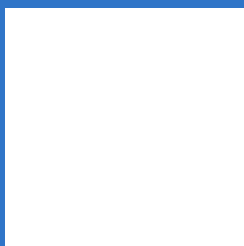
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.9589, 17.4970, 57.0743

Background



This preview shows how black text looks on a background with the XYZ color 17.9589, 17.4970, 57.0743.



This preview shows how white text looks on a background with the XYZ color 17.9589, 17.4970,

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

17.9589, 17.4970, 57.0743

Protanopia

19.1772, 17.5013, 54.5919

Deuteranopia

18.0055, 17.5211, 57.0765



Tritanopia

12.3066, 17.2733, 26.7302

Trichromacy



Original Color

17.9589, 17.4970, 57.0743

Protanomaly

18.4793, 17.2948, 55.1876

Deuteranomaly

18.0055, 17.5211, 57.0765

Tritanomaly

13.8718, 17.1077, 36.2892

Monochromacy



Original Color

17.9589, 17.4970, 57.0743

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.0559, 14.9766, 26.9609

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9589, 17.4970, 57.0743 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(47, 117, 200)` looks like.

```
.text, #text, p{  
    color:rgb(47, 117, 200)  
}
```

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(47, 117, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 117, 200) }
```

Border

The CSS property to change the border of an element to XYZ 17.9589, 17.4970, 57.0743 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(47, 117, 200) }
```


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

```
.border{ border-color:rgb(47, 117, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 117, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 117, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 117, 200);  
box-shadow:4px 4px 4px 4px rgb(47, 117,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9589, 17.4970, 57.0743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 117, 200) }
```

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

```
.background{ background-color: rgb(47, 117,  
200) }
```

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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