

Converting Colors

XYZ(19.2981, 17.9620, 53.7920)

Have a look what the booklet for
XYZ(19.2981, 17.9620, 53.7920)
contains.

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Color

**XYZ(19.2893, 17.9071,
54.0695)**

Conversions

Conversions Part 1

Format	Color
Hex	5073C3
RGB	80, 115, 195
RGB Percent	31%, 45%, 76%
CMY	0.6863, 0.5490, 0.2353
CMYK	0.59, 0.41, 0.00, 0.24
HSL	222°, 49%, 54%
HSV	222°, 59%, 76%
XYZ	19.2893, 17.9071, 54.0695
YIQ	113.6550, -46.5400, 17.4600

Conversions

Conversions Part 2

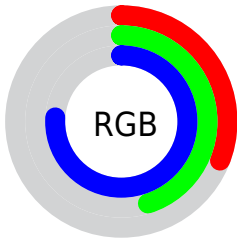
Format	Color
R_{YB}	80, 107, 195
Decimal	5272515
CIE _{Lab}	49.38, 12.01, -45.65
CIE _{LCh}	49, 47.200, 284.735
Yxy	17.9071, 0.2114, 0.1962
Android (android.graphics.Color)	4283462595 (0xFF5073C3)
YUV	113.6550, 40.1031, -29.5154
Hunter-Lab	42.3168, 7.3115, -46.1350

Details

The XYZ color **19.2893, 17.9071, 54.0695** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **36.5255, 37.3245, 12.8697**, and the grayscale version is **15.7857, 16.6078, 18.0859**.

A 20% lighter version of the original color is **41.8706, 40.0690, 97.6227**, and **6.8748, 6.0573, 26.0061** is the 20% darker color. If you saturate the color by 10%, you get **16.4407, 14.3089, 53.5255**, and if you desaturate by 10%, it is **22.8447, 22.2081, 54.7127**.

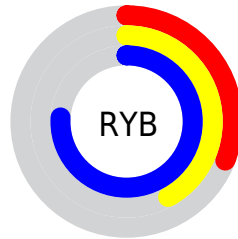
Distribution



Red (31%)

Green (45%)

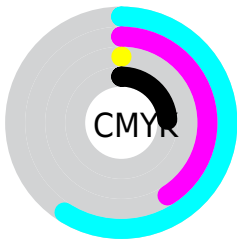
Blue (76%)



Red (31%)

Yellow (42%)

Blue (76%)

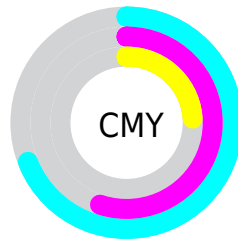


Cyan (59%)

Magenta (41%)

Yellow (0%)

Black (24%)



Cyan (69%)

Magenta (55%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2893, 17.9071, 54.0695 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 19.2893, 17.9071, 54.0695 by changing the saturation by 10% instead.

■ 19.2893, 17.9071,
54.0695

■ 19.2893, 17.9071,
54.0695

240.9488,
240.3469, 419.5571

■ 11.9848, 10.8833,
38.2637

■ 41.7355, 39.8790,
97.6337

■ 6.8054, 5.9884,
25.8840

■ 57.6078, 55.5958,
126.2292

■ 3.3860, 2.8380,
16.5119

■ 77.0668, 74.9792,
159.9249

■ 1.3610, 1.0478,
9.7288

■ 100.4778, 98.4134,
199.1395

■ 0.2282, 0.0000,
5.1163

128.2061,
126.2829, 244.2915

■ 0.0000, 0.0000,
2.2557

160.6172,

■ 0.0000, 0.0000,

158.9720, 295.7994

0.7063

198.0763,
196.8652, 354.0817

■ 0.0000, 0.0000,
0.0000

■ 19.2893, 17.9071,
54.0695

■ 19.2893, 17.9071,
54.0695

■ 16.4407, 14.3089,
53.5255

■ 22.8447, 22.2081,
54.7127

■ 14.2441, 11.3699,
53.0740

■ 27.1517, 27.2480,
55.4585

■ 12.6396, 9.0435,
52.7095

■ 32.2534, 33.0625,
56.3119

■ 11.5303, 7.2628,
52.4243

■ 38.1892, 39.6841,
57.2771

■ 11.4321, 7.1036,
52.3987

■ 44.9956, 47.1436,
58.3582

■ 52.7071, 55.4697,
59.5589

■ 61.3559, 64.6902,
60.8828

■ 70.9730, 74.8313,
62.3333

■ 81.4013, 85.8220,
63.9051

Harmonies

Analogous

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



14.8665, 17.9071, 53.9540



19.2893, 17.9071, 54.0695



23.7765, 17.9071, 42.5834

Triad

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



19.2893, 17.9071, 54.0695



23.8464, 17.9071, 6.8409



10.0314, 17.9071, 13.7344

Complementary

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



19.2893, 17.9071, 54.0695



36.5255, 37.3245, 12.8697

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.



11.6828, 17.9071, 6.7616



19.2893, 17.9071, 54.0695



19.3724, 17.9071, 4.1293

Square

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



19.2893, 17.9071, 54.0695



26.7025, 17.9071, 13.9082



14.9363, 17.9071, 4.1085



10.0170, 17.9071, 26.4143

Rectangle

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



19.2893, 17.9071, 54.0695



25.9843, 17.9071, 31.9300



14.9363, 17.9071, 4.1085



10.3987, 17.9071, 10.8016

Sweetspot

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



19.2900, 17.9077, 54.0700



69.1904, 71.9509, 102.7110



29.0460, 43.2250, 39.4250



14.4195, 14.9457, 22.3748



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.



19.2900, 17.9077, 54.0700



28.0934, 23.8569, 95.5939



18.0961, 12.4500, 53.0794



9.7727, 10.2367, 12.7456



7.4959, 4.7483, 34.0781



0.3861, 0.3297, 1.4932

Inverse Universe

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



28.4695, 18.5781, 18.3056



46.5848, 27.1245, 23.1190



38.4007, 48.5990, 14.9471



10.1966, 10.1272, 11.1257



15.1796, 7.7616, 3.5917



0.6873, 0.3479, 0.3206

Previews

White Background



This preview shows how the XYZ color 19.2893, 17.9071, 54.0695 looks on a white background.

Color Contrast Check

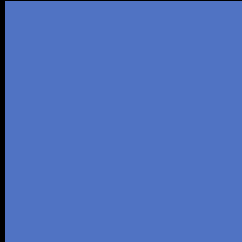
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.2893, 17.9071, 54.0695 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 19.2893, 17.9071, 54.0695

Background



This preview shows how black text looks on a background with the XYZ color 19.2893, 17.9071, 54.0695.



This preview shows how white text looks on a background with the XYZ color 19.2893, 17.9071,

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

19.2893, 17.9071, 54.0695

Protanopia

19.4111, 17.8145, 53.4544

Deuteranopia

18.4628, 18.0102, 53.5422



Tritanopia

13.7524, 17.8259, 26.7607

Trichromacy



Original Color

19.2893, 17.9071, 54.0695

Protanomaly

19.3222, 17.7687, 53.4502

Deuteranomaly

18.6974, 17.9572, 53.5196

Tritanomaly

15.4553, 17.7591, 35.4142

Monochromacy



Original Color

19.2893, 17.9071, 54.0695

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.4547, 16.8426, 28.3703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2893, 17.9071, 54.0695 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(80, 115, 195)` looks like.

```
.text, #text, p{  
    color:rgb(80, 115, 195)  
}
```

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(80, 115, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 115, 195) }
```

Border

The CSS property to change the border of an element to XYZ 19.2893, 17.9071, 54.0695 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(80, 115, 195) }
```


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

```
.border{ border-color:rgb(80, 115, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 115, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 115, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 115, 195);  
box-shadow:4px 4px 4px 4px rgb(80, 115,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2893, 17.9071, 54.0695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 115, 195) }
```

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

```
.background{ background-color: rgb(80, 115,  
195) }
```

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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