

Converting Colors

XYZ(17.1003, 19.6089, 41.9133)

Have a look what the booklet for
XYZ(17.1003, 19.6089, 41.9133)
contains.

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Color

**XYZ(17.1003, 19.6089,
41.9133)**

Conversions

Conversions Part 1

Format	Color
Hex	3B81AC
RGB	59, 129, 172
RGB Percent	23%, 51%, 67%
CMY	0.7686, 0.4941, 0.3255
CMYK	0.66, 0.25, 0.00, 0.33
HSL	203°, 49%, 45%
HSV	203°, 66%, 67%
XYZ	17.1003, 19.6089, 41.9133
YIQ	112.9720, -55.5230, -1.4670

Conversions

Conversions Part 2

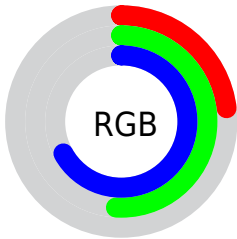
Format	Color
R_{YB}	59, 102, 172
Decimal	3899820
CIE _{Lab}	51.39, -8.22, -29.29
CIE _{LCh}	51, 30.425, 254.331
Yxy	19.6089, 0.2175, 0.2494
Android (android.graphics.Color)	4282089900 (0xFF3B81AC)
YUV	112.9720, 29.1008, -47.3334
Hunter-Lab	44.2819, -8.5623, -25.1212

Details

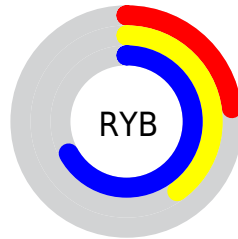
The XYZ color **17.1003, 19.6089, 41.9133** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **22.5549, 18.5904, 6.5381**, and the grayscale version is **15.6168, 16.4301, 17.8924**.

A 20% lighter version of the original color is **38.2028, 42.9089, 79.6675**, and **6.1984, 7.0692, 18.4906** is the 20% darker color. If you saturate the color by 10%, you get **15.4091, 17.4982, 41.5954**, and if you desaturate by 10%, it is **19.1839, 22.0046, 42.2663**.

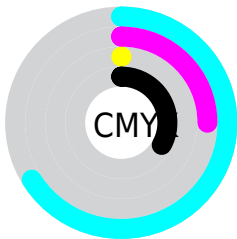
Distribution



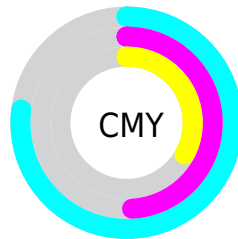
- Red (23%)
- Green (51%)
- Blue (67%)



- Red (23%)
- Yellow (40%)
- Blue (67%)



- Cyan (66%)
- Magenta (25%)
- Yellow (0%)
- Black (33%)



- Cyan (77%)
- Magenta (49%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.1003, 19.6089, 41.9133 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 17.1003, 19.6089, 41.9133 by changing the saturation by 10% instead.

■ 17.1003, 19.6089,
41.9133

■ 17.1003, 19.6089,
41.9133

228.8947,
249.7899, 369.9125

■ 10.4018, 12.1111,
28.7083

■ 38.0404, 42.7605,
79.3371

■ 5.7305, 6.8194,
18.6166

■ 53.0126, 59.1831,
104.3930

■ 2.7210, 3.3494,
11.2196

■ 71.4735, 79.3493,
134.2362

■ 1.0080, 1.3167,
6.0987

■ 93.7884, 103.6437,
169.2855

■ 0.0000, 0.1541,
2.8354

■ 120.3226,
132.4505, 209.9591

■ 0.0000, 0.0000,
1.0112

151.4414,

■ 0.0000, 0.0000,

166.1542, 256.6759

0.0000

187.5104,
205.1392, 309.8541

■ 17.1003, 19.6089,
41.9133

■ 17.1003, 19.6089,
41.9133

■ 15.4091, 17.4982,
41.5954

■ 19.1839, 22.0046,
42.2663

■ 14.0729, 15.6506,
41.3092

■ 21.6887, 24.7006,
42.6546

■ 13.0469, 14.0419,
41.0528

■ 24.6429, 27.7131,
43.0804

■ 12.6571, 13.3998,
40.9494

■ 28.0714, 31.0565,
43.5451

■ 31.9973, 34.7441,
44.0499

■ 36.4421, 38.7881,
44.5962

■ 41.4259, 43.2005,
45.1852

■ 46.9678, 47.9921,
45.8180

■ 53.0858, 53.1737,
46.4957

Harmonies

Analogous

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



14.7545, 19.6089, 35.3466



17.1003, 19.6089, 41.9133



20.1252, 19.6089, 42.0724

Triad

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



17.1003, 19.6089, 41.9133



24.9071, 19.6089, 17.4625



14.8375, 19.6089, 11.4602

Complementary

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



17.1003, 19.6089, 41.9133



22.5549, 18.5904, 6.5381

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.



17.2253, 19.6089, 8.8746



17.1003, 19.6089, 41.9133



23.1485, 19.6089, 11.6441

Square

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



17.1003, 19.6089, 41.9133



24.8642, 19.6089, 26.2085



20.2645, 19.6089, 8.9312



13.5485, 19.6089, 17.1337

Rectangle

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



17.1003, 19.6089, 41.9133



22.1394, 19.6089, 38.4120



20.2645, 19.6089, 8.9312



15.5261, 19.6089, 10.2795

Sweetspot

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



17.1010, 19.6096, 41.9138



54.6105, 59.8308, 79.4760



18.8782, 31.3639, 17.2268



11.4536, 12.6118, 17.2183



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



17.1010, 19.6096, 41.9138



26.7336, 30.1042, 75.2075



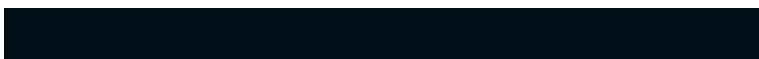
11.7041, 8.8158, 40.1148



7.9764, 8.5522, 10.1830



9.4731, 10.0800, 30.4909



0.3141, 0.3816, 0.8651

Inverse Universe

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



22.5403, 13.4844, 22.1843



37.9667, 20.3865, 33.8050



29.8489, 33.1785, 8.9695



8.2059, 8.0956, 9.3951



14.6452, 7.3206, 11.0430



0.4329, 0.2139, 0.4417

Previews

White Background



This preview shows how the XYZ color 17.1003, 19.6089, 41.9133 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 17.1003, 19.6089, 41.9133 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 17.1003, 19.6089, 41.9133

Background



This preview shows how black text looks on a background with the XYZ color 17.1003, 19.6089, 41.9133.

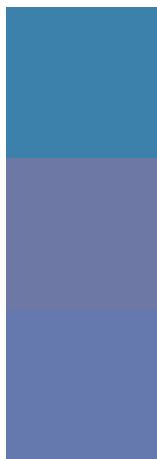


This preview shows how white text looks on a background with the XYZ color 17.1003, 19.6089,

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

17.1003, 19.6089, 41.9133

Protanopia

19.8147, 19.4008, 38.2977

Deuteranopia

19.9568, 19.5555, 42.7672



Tritanopia

14.6746, 19.6300, 29.8036

Trichromacy



Original Color

17.1003, 19.6089, 41.9133

Protanomaly

18.4652, 19.2172, 39.7819

Deuteranomaly

18.5882, 19.4109, 42.3021

Tritanomaly

15.4343, 19.5221, 33.9650

Monochromacy



Original Color

17.1003, 19.6089, 41.9133

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.4141, 17.2420, 25.0699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.1003, 19.6089, 41.9133 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, 129, 172)` looks like.

```
.text, #text, p{  
    color:rgb(59, 129, 172)  
}
```

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, 129, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 129, 172) }
```

Border

The CSS property to change the border of an element to XYZ 17.1003, 19.6089, 41.9133 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, 129, 172) }
```


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

```
.border{ border-color:rgb(59, 129, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 129, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 129, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 129, 172);  
box-shadow:4px 4px 4px 4px rgb(59, 129,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 17.1003, 19.6089, 41.9133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 129, 172) }
```

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

```
.background{ background-color: rgb(59, 129,  
172) }
```

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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