

Converting Colors

XYZ(19.9487, 19.1662, 55.9196)

Have a look what the booklet for
XYZ(19.9487, 19.1662, 55.9196)
contains.

XYZ(19.8900, 19.0467, 56.0541)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.8900, 19.0467,
56.0541)**

Conversions

Conversions Part 1

Format	Color
Hex	4C78C6
RGB	76, 120, 198
RGB Percent	30%, 47%, 78%
CMY	0.7019, 0.5294, 0.2235
CMYK	0.62, 0.39, 0.00, 0.22
HSL	218°, 52%, 54%
HSV	218°, 62%, 78%
XYZ	19.8900, 19.0467, 56.0541
YIQ	115.7360, -51.2620, 14.9300

Conversions

Conversions Part 2

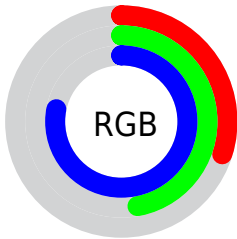
Format	Color
RYB	76, 108, 198
Decimal	5011654
CIELab	50.74, 9.17, -45.22
CIELCh	51, 46.140, 281.462
Yxy	19.0467, 0.2094, 0.2005
Android (android.graphics.Color)	4283201734 (0xFF4C78C6)
YUV	115.7360, 40.5562, -34.8485
Hunter-Lab	43.6425, 4.9766, -45.6018

Details

The XYZ color **19.8900, 19.0467, 56.0541** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **36.1500, 35.6406, 11.8126**, and the grayscale version is **16.4118, 17.2665, 18.8032**.

A 20% lighter version of the original color is **42.7942, 41.8759, 100.4351**, and **7.3514, 6.6483, 27.2814** is the 20% darker color. If you saturate the color by 10%, you get **17.1290, 15.5108, 55.5175**, and if you desaturate by 10%, it is **23.3378, 23.2359, 56.6814**.

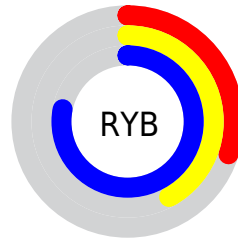
Distribution



Red (30%)

Green (47%)

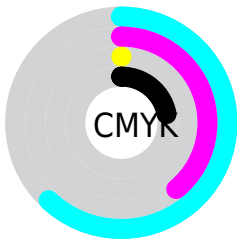
Blue (78%)



Red (30%)

Yellow (42%)

Blue (78%)

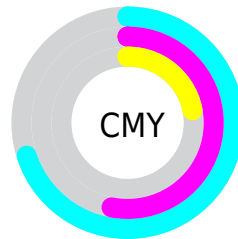


Cyan (62%)

Magenta (39%)

Yellow (0%)

Black (22%)



Cyan (70%)

Magenta (53%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8900, 19.0467, 56.0541 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 19.8900, 19.0467, 56.0541 by changing the saturation by 10% instead.

■ 19.8900, 19.0467,
56.0541

■ 19.8900, 19.0467,
56.0541

244.1639,
246.7065, 427.2894

■ 12.4229, 11.7040,
39.8420

■ 42.7380, 41.8130,
100.5703

■ 7.1066, 6.5425,
27.1025

■ 58.8497, 58.0054,
129.7114

■ 3.5758, 3.1777,
17.4171

■ 78.5736, 77.9165,
163.9993

■ 1.4651, 1.2252,
10.3672

■ 102.2750,
101.9307, 203.8526

■ 0.3019, 0.0821,
5.5343

■ 130.3195,
130.4324, 249.6896

■ 0.0000, 0.0000,
2.4999

163.0722,

■ 0.0000, 0.0000,

163.8060, 301.9291

0.8401

200.8985,
202.4359, 360.9895

■ 0.0000, 0.0000,
0.0000

■ 19.8900, 19.0467,
56.0541

■ 19.8900, 19.0467,
56.0541

■ 17.1290, 15.5108,
55.5175

■ 23.3378, 23.2359,
56.6814

■ 14.9986, 12.5870,
55.0655

■ 27.5178, 28.1122,
57.4023

■ 13.4363, 10.2309,
54.6930

■ 32.4737, 33.7088,
58.2213

■ 12.4723, 8.6355,
54.4359

■ 38.2452, 40.0561,
59.1423

■ 44.8690, 47.1824,
60.1687

■ 52.3794, 55.1147,
61.3039

■ 60.8089, 63.8785,
62.5512

■ 70.1882, 73.4981,
63.9137

■ 80.5467, 83.9968,
65.3942

Harmonies

Analogous

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



15.4727, 19.0467, 54.5219



19.8900, 19.0467, 56.0541



24.5050, 19.0467, 45.6138

Triad

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



19.8900, 19.0467, 56.0541



25.4471, 19.0467, 8.2181



11.0369, 19.0467, 13.7753

Complementary

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



19.8900, 19.0467, 56.0541



36.1500, 35.6406, 11.8126

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.



12.9266, 19.0467, 7.0986



19.8900, 19.0467, 56.0541



21.0164, 19.0467, 4.9387

Square

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



19.8900, 19.0467, 56.0541



28.0525, 19.0467, 16.1659



16.4270, 19.0467, 4.6388



10.8380, 19.0467, 26.1013

Rectangle

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



19.8900, 19.0467, 56.0541



26.8845, 19.0467, 35.0856



16.4270, 19.0467, 4.6388



11.4786, 19.0467, 10.9578

Sweetspot

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



19.8908, 19.0473, 56.0546



71.4749, 74.9942, 105.3159



28.9472, 44.2340, 37.2661



14.5875, 15.2818, 22.4308



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.



19.8908, 19.0473, 56.0546



28.8908, 25.5363, 98.0140



17.2188, 11.5363, 54.7456



10.3646, 10.9032, 13.4757



8.1854, 5.7646, 35.4256



0.4562, 0.4102, 1.7003

Inverse Universe

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



29.2640, 18.5317, 19.8044



47.5335, 26.9226, 25.3744



40.7277, 50.8231, 14.5019



10.7893, 10.6991, 11.8737



15.9309, 8.1219, 4.8461



0.7890, 0.3984, 0.4119

Previews

White Background



This preview shows how the XYZ color 19.8900, 19.0467, 56.0541 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 19.8900, 19.0467, 56.0541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

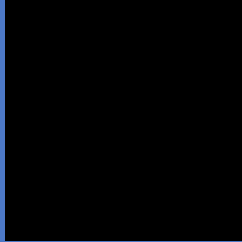
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.8900, 19.0467, 56.0541

Background



This preview shows how black text looks on a background with the XYZ color 19.8900, 19.0467, 56.0541.



This preview shows how white text looks on a background with the XYZ color 19.8900, 19.0467,

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

19.8900, 19.0467, 56.0541

Protanopia

20.5621, 19.0662, 54.8210

Deuteranopia

19.6289, 19.0916, 56.0766



Tritanopia

14.4004, 19.1085, 28.5205

Trichromacy



Original Color

19.8900, 19.0467, 56.0541

Protanomaly

20.3310, 19.1097, 55.4403

Deuteranomaly

19.7781, 19.1684, 56.0835

Tritanomaly

16.0444, 18.9768, 36.9997

Monochromacy



Original Color

19.8900, 19.0467, 56.0541

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.9164, 17.5646, 29.6928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8900, 19.0467, 56.0541 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(76, 120, 198)` looks like.

```
.text, #text, p{  
    color:rgb(76, 120, 198)  
}
```

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(76, 120, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 120, 198) }
```

Border

The CSS property to change the border of an element to XYZ 19.8900, 19.0467, 56.0541 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(76, 120, 198) }
```


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

```
.border{ border-color:rgb(76, 120, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 120, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 120, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 120, 198);  
box-shadow:4px 4px 4px 4px rgb(76, 120,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8900, 19.0467, 56.0541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 120, 198) }
```

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

```
.background{ background-color: rgb(76, 120,  
198) }
```

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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