

Converting Colors

XYZ(19.5453, 20.7722, 56.3956)

Have a look what the booklet for
XYZ(19.5453, 20.7722, 56.3956)
contains.

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Color

**XYZ(19.5409, 20.7463,
56.4006)**

Conversions

Conversions Part 1

Format	Color
Hex	3382C6
RGB	51, 130, 198
RGB Percent	20%, 51%, 78%
CMY	0.8000, 0.4902, 0.2235
CMYK	0.74, 0.34, 0.00, 0.22
HSL	208°, 59%, 49%
HSV	208°, 74%, 78%
XYZ	19.5409, 20.7463, 56.4006
YIQ	114.1310, -68.9120, 4.4000

Conversions

Conversions Part 2

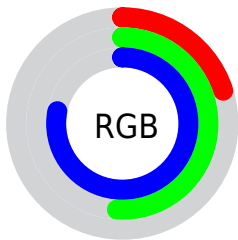
Format	Color
R_{YB}	51, 102, 198
Decimal	3375814
CIE _{Lab}	52.67, -0.89, -42.22
CIE _{LCh}	53, 42.233, 268.789
Yxy	20.7463, 0.2021, 0.2146
Android (android.graphics.Color)	4281565894 (0xFF3382C6)
YUV	114.1310, 41.3474, -55.3659
Hunter-Lab	45.5481, -3.1297, -41.5330

Details

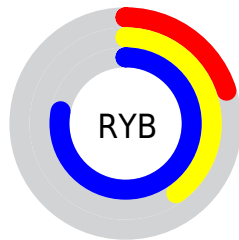
The XYZ color **19.5409, 20.7463, 56.4006** is a dark color, and the websafe version is hex **6699CC**. The color can be described as dark muted azure. A complement of this color would be **30.4846, 25.4408, 6.4370**, and the grayscale version is **15.9293, 16.7589, 18.2504**.

A 20% lighter version of the original color is **42.1859, 44.8000, 101.0316**, and **7.9765, 7.8985, 27.4897** is the 20% darker color. If you saturate the color by 10%, you get **17.5827, 18.0082, 55.9757**, and if you desaturate by 10%, it is **22.0337, 23.9216, 56.8826**.

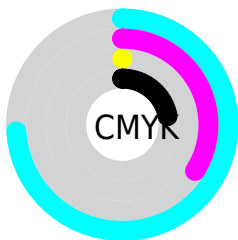
Distribution



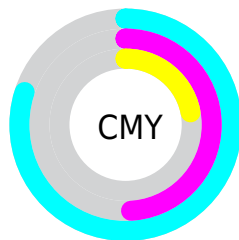
- Red (20%)
- Green (51%)
- Blue (78%)



- Red (20%)
- Yellow (40%)
- Blue (78%)



- Cyan (74%)
- Magenta (34%)
- Yellow (0%)
- Black (22%)



- Cyan (80%)
- Magenta (49%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5409, 20.7463, 56.4006 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 19.5409, 20.7463, 56.4006 by changing the saturation by 10% instead.

■ 19.5409, 20.7463,
56.4006

■ 19.5409, 20.7463,
56.4006

242.3000,
255.9271, 428.6301

■ 12.1681, 12.9387,
40.1181

■ 42.1560, 44.6649,
101.0817

■ 6.9313, 7.3863,
27.3161

■ 58.1289, 61.5447,
130.3173

■ 3.4651, 3.7049,
17.5762

■ 77.6993, 82.2174,
164.7077

■ 1.4042, 1.5099,
10.4799

■ 101.2325,
107.0673, 204.6714

■ 0.2592, 0.2957,
5.6085

■ 129.0937,
136.4788, 250.6269

■ 0.0000, 0.0000,
2.5436

161.6485,

■ 0.0000, 0.0000,

170.8363, 302.9929

0.8631

199.2622,
210.5243, 362.1878

■ 0.0000, 0.0000,
0.0000

■ 19.5409, 20.7463,
56.4006

■ 19.5409, 20.7463,
56.4006

■ 17.5827, 18.0082,
55.9757

■ 22.0337, 23.9216,
56.8826

■ 16.0958, 15.6695,
55.6027

■ 25.1095, 27.5622,
57.4232

■ 15.3889, 14.4688,
55.4082

■ 28.8131, 31.6955,
58.0258

■ 33.1842, 36.3455,
58.6929

■ 38.2588, 41.5345,
59.4270

■ 44.0702, 47.2832,
60.2303

■ 50.6495, 53.6110,
61.1050

■ 58.0258, 60.5363,
62.0529

■ 66.2268, 68.0765,
63.0761

Harmonies

Analogous

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



15.6603, 20.7463, 50.2126



19.5409, 20.7463, 56.4006



24.0693, 20.7463, 51.0877

Triad

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



19.5409, 20.7463, 56.4006



28.0796, 20.7463, 12.8330



13.3449, 20.7463, 12.2356

Complementary

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



19.5409, 20.7463, 56.4006



30.4846, 25.4408, 6.4370

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.



15.9268, 20.7463, 7.3366



19.5409, 20.7463, 56.4006



24.4239, 20.7463, 7.5806

Square

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



19.5409, 20.7463, 56.4006



29.4185, 20.7463, 23.1039



19.8976, 20.7463, 6.0157



12.4266, 20.7463, 22.0822

Rectangle

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



19.5409, 20.7463, 56.4006



26.7745, 20.7463, 42.5513



19.8976, 20.7463, 6.0157



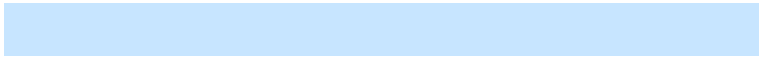
14.0262, 20.7463, 10.1127

Sweetspot

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



19.5417, 20.7470, 56.4011



69.6092, 75.4134, 105.4952



24.7800, 42.3806, 23.7519



14.3279, 15.5683, 22.4998



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.



19.5417, 20.7470, 56.4011



29.4384, 29.2838, 98.7085



13.0901, 7.8438, 54.2506



10.5208, 11.2157, 13.5278



10.0941, 9.5822, 36.0619



0.5499, 0.5976, 1.7315

Inverse Universe

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



28.5025, 15.9861, 22.7030



47.1623, 24.2952, 31.0625



42.4415, 49.3546, 10.4226



10.8682, 10.7307, 12.2890



16.8944, 8.5073, 9.9196



0.8363, 0.4173, 0.6609

Previews

White Background



This preview shows how the XYZ color 19.5409, 20.7463, 56.4006 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 19.5409, 20.7463, 56.4006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

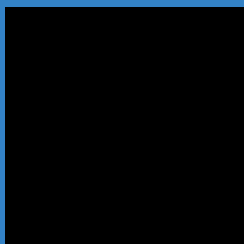
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

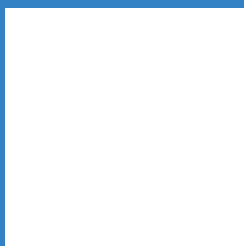
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.5409, 20.7463, 56.4006

Background



This preview shows how black text looks on a background with the XYZ color 19.5409, 20.7463, 56.4006.



This preview shows how white text looks on a background with the XYZ color 19.5409, 20.7463,

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

19.5409, 20.7463, 56.4006

Protanopia

21.8529, 20.6810, 52.7092

Deuteranopia

21.2097, 20.6298, 56.8969



Tritanopia

14.7376, 20.6672, 32.0666

Trichromacy



Original Color

19.5409, 20.7463, 56.4006

Protanomaly

20.6781, 20.6106, 53.9273

Deuteranomaly

20.4967, 20.6419, 56.9368

Tritanomaly

16.0478, 20.5368, 39.6774

Monochromacy



Original Color

19.5409, 20.7463, 56.4006

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.1417, 17.7014, 29.3540

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5409, 20.7463, 56.4006 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(51, 130, 198)` looks like.

```
.text, #text, p{  
    color:rgb(51, 130, 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(51, 130, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 130, 198) }
```

Border

The CSS property to change the border of an element to XYZ 19.5409, 20.7463, 56.4006 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(51, 130, 198) }
```


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

```
.border{ border-color:rgb(51, 130, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 130, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 130, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 130, 198);  
box-shadow:4px 4px 4px 4px rgb(51, 130,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5409, 20.7463, 56.4006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 130, 198) }
```

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

```
.background{ background-color: rgb(51, 130,  
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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