

Converting Colors

XYZ(19.9458, 21.5561, 56.5356)

Have a look what the booklet for
XYZ(19.9458, 21.5561, 56.5356)
contains.

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Color

**XYZ(19.9458, 21.5561,
56.5356)**

Conversions

Conversions Part 1

Format	Color
Hex	3385C6
RGB	51, 133, 198
RGB Percent	20%, 52%, 78%
CMY	0.8000, 0.4784, 0.2235
CMYK	0.74, 0.33, 0.00, 0.22
HSL	207°, 59%, 49%
HSV	207°, 74%, 78%
XYZ	19.9458, 21.5561, 56.5356
YIQ	115.8920, -69.7370, 2.8310

Conversions

Conversions Part 2

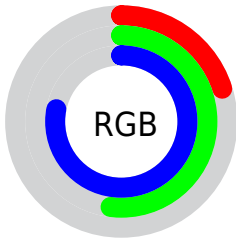
Format	Color
R _Y B	51, 104, 198
Decimal	3376582
CIE Lab	53.55, -2.67, -40.83
CIE LCh	54, 40.918, 266.258
Yxy	21.5561, 0.2035, 0.2199
Android (android.graphics.Color)	4281566662 (0xFF3385C6)
YUV	115.8920, 40.4792, -56.9103
Hunter-Lab	46.4285, -4.5660, -39.6969

Details

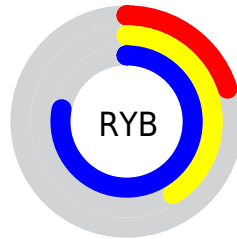
The XYZ color **19.9458, 21.5561, 56.5356** is a dark color, and the websafe version is hex **6699CC**. The color can be described as dark muted azure. A complement of this color would be **30.1331, 24.7378, 6.3198**, and the grayscale version is **16.4639, 17.3213, 18.8629**.

A 20% lighter version of the original color is **42.8114, 46.0508, 101.2400**, and **8.2044, 8.3543, 27.5657** is the 20% darker color. If you saturate the color by 10%, you get **18.0031, 18.8489, 56.1159**, and if you desaturate by 10%, it is **22.4147, 24.6835, 57.0096**.

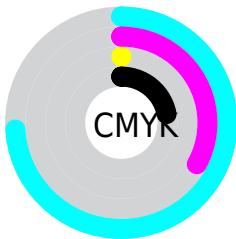
Distribution



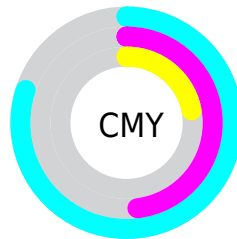
- Red (20%)
- Green (52%)
- Blue (78%)



- Red (20%)
- Yellow (41%)
- Blue (78%)



- Cyan (74%)
- Magenta (33%)
- Yellow (0%)
- Black (22%)



- Cyan (80%)
- Magenta (48%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9458, 21.5561, 56.5356 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 19.9458, 21.5561, 56.5356 by changing the saturation by 10% instead.

■ 19.9458, 21.5561,
56.5356

■ 19.9458, 21.5561,
56.5356

244.4607,
260.2193, 429.1517

■ 12.4637, 13.5311,
40.2256

■ 42.8309, 46.0112,
101.2808

■ 7.1347, 7.7953,
27.3994

■ 58.9647, 63.2101,
130.5532

■ 3.5936, 3.9642,
17.6383

■ 78.7130, 84.2358,
164.9834

■ 1.4749, 1.6536,
10.5239

■ 102.4412,
109.4726, 204.9901

■ 0.3086, 0.3933,
5.6375

■ 130.5148,
139.3050, 250.9917

■ 0.0000, 0.0000,
2.5608

163.2990,

■ 0.0000, 0.0000,

174.1173, 303.4068

0.8721

201.1592,
214.2939, 362.6540

■ 0.0000, 0.0000,
0.0000

■ 19.9458, 21.5561,
56.5356

■ 19.9458, 21.5561,
56.5356

■ 18.0031, 18.8489,
56.1159

■ 22.4147, 24.6835,
57.0096

■ 16.5234, 16.5249,
55.7453

■ 25.4575, 28.2583,
57.5392

■ 15.8172, 15.3254,
55.5510

■ 29.1190, 32.3073,
58.1278

■ 33.4384, 36.8538,
58.7777

■ 38.4513, 41.9195,
59.4912

■ 44.1908, 47.5244,
60.2706

■ 50.6877, 53.6873,
61.1177

■ 57.9707, 60.4262,
62.0346

■ 66.0674, 67.7578,
63.0230

Harmonies

Analogous

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



16.1730, 21.5561, 49.6548



19.9458, 21.5561, 56.5356



24.4286, 21.5561, 52.2839

Triad

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



19.9458, 21.5561, 56.5356



28.9705, 21.5561, 14.3653



14.2742, 21.5561, 12.4951

Complementary

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



19.9458, 21.5561, 56.5356



30.1331, 24.7378, 6.3198

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.



16.9965, 21.5561, 7.8450



19.9458, 21.5561, 56.5356



25.5104, 21.5561, 8.6247

Square

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



19.9458, 21.5561, 56.5356



30.0517, 21.5561, 25.0741



21.0408, 21.5561, 6.7327



13.2055, 21.5561, 21.9376

Rectangle

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



19.9458, 21.5561, 56.5356



27.1666, 21.5561, 44.3102



21.0408, 21.5561, 6.7327



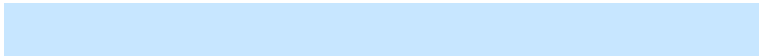
15.0055, 21.5561, 10.4699

Sweetspot

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



19.9466, 21.5568, 56.5362



69.9271, 76.0494, 105.6012



24.6376, 42.3236, 23.0018



14.4029, 15.7184, 22.5248



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.



19.9466, 21.5568, 56.5362



30.1923, 30.7916, 98.9598



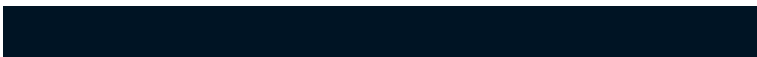
13.2174, 8.0985, 54.2931



10.5391, 11.2523, 13.5339



10.3727, 10.1394, 36.1548



0.5625, 0.6228, 1.7357

Inverse Universe

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



28.7069, 16.0679, 23.7793



47.5429, 24.4475, 33.0665



41.9129, 48.2975, 10.2464



10.8774, 10.7343, 12.3376



17.0350, 8.5636, 10.6601



0.8426, 0.4199, 0.6944

Previews

White Background



This preview shows how the XYZ color 19.9458, 21.5561, 56.5356 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 19.9458, 21.5561, 56.5356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

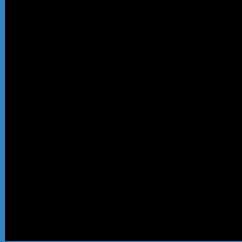
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.9458, 21.5561, 56.5356

Background



This preview shows how black text looks on a background with the XYZ color 19.9458, 21.5561, 56.5356.

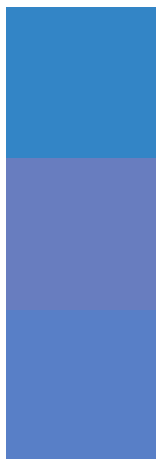


This preview shows how white text looks on a background with the XYZ color 19.9458, 21.5561,

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

19.9458, 21.5561, 56.5356

Protanopia

22.4465, 21.3719, 52.2323

Deuteranopia

21.9227, 21.3770, 57.0035



Tritanopia

15.2746, 21.3497, 33.4528

Trichromacy



Original Color

19.9458, 21.5561, 56.5356

Protanomaly

21.2031, 21.2647, 54.0259

Deuteranomaly

21.0607, 21.3199, 57.0380

Tritanomaly

16.5185, 21.1800, 40.7536

Monochromacy



Original Color

19.9458, 21.5561, 56.5356

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.5615, 18.2697, 29.8477

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9458, 21.5561, 56.5356 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, 133, 198)` looks like.

```
.text, #text, p{  
    color:rgb(51, 133, 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, 133, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 133, 198) }
```

Border

The CSS property to change the border of an element to XYZ 19.9458, 21.5561, 56.5356 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, 133, 198) }
```


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

```
.border{ border-color:rgb(51, 133, 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, 133, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 133, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 133, 198);  
box-shadow:4px 4px 4px 4px rgb(51, 133,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9458, 21.5561, 56.5356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 133, 198) }
```

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

```
.background{ background-color: rgb(51, 133,  
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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