

Converting Colors

XYZ(21.7470, 23.5616, 56.8282)

Have a look what the booklet for
XYZ(21.7470, 23.5616, 56.8282)
contains.

XYZ(21.7358, 23.5194, 56.8202)	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(21.7358, 23.5194,
56.8202)**

Conversions

Conversions Part 1

Format	Color
Hex	458AC6
RGB	69, 138, 198
RGB Percent	27%, 54%, 78%
CMY	0.7294, 0.4588, 0.2235
CMYK	0.65, 0.30, 0.00, 0.22
HSL	208°, 53%, 52%
HSV	208°, 65%, 78%
XYZ	21.7358, 23.5194, 56.8202
YIQ	124.2090, -60.3840, 4.0320

Conversions

Conversions Part 2

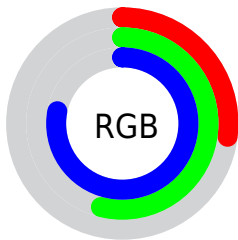
Format	Color
R_{YB}	69, 114, 198
Decimal	4557510
CIE _{Lab}	55.60, -2.87, -37.57
CIE _{LCh}	56, 37.675, 265.625
Yxy	23.5194, 0.2129, 0.2304
Android (android.graphics.Color)	4282747590 (0xFF458AC6)
YUV	124.2090, 36.3790, -48.4183
Hunter-Lab	48.4968, -4.8674, -35.5180

Details

The XYZ color **21.7358, 23.5194, 56.8202** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **32.2145, 28.1380, 9.3648**, and the grayscale version is **19.1258, 20.1218, 21.9126**.

A 20% lighter version of the original color is **45.7341, 49.1487, 101.6840**, and **8.5238, 8.9931, 27.6721** is the 20% darker color. If you saturate the color by 10%, you get **19.2927, 20.3812, 56.3437**, and if you desaturate by 10%, it is **24.7612, 27.1249, 57.3571**.

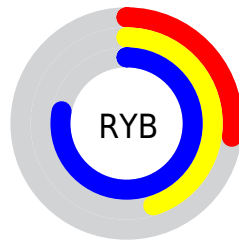
Distribution



Red (27%)

Green (54%)

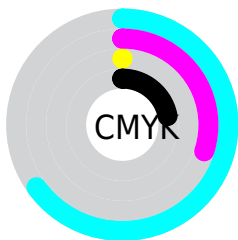
Blue (78%)



Red (27%)

Yellow (45%)

Blue (78%)

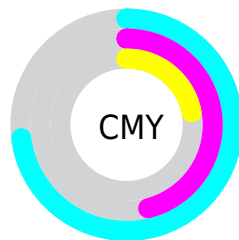


Cyan (65%)

Magenta (30%)

Yellow (0%)

Black (22%)



Cyan (73%)

Magenta (46%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7358, 23.5194, 56.8202 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 21.7358, 23.5194, 56.8202 by changing the saturation by 10% instead.

■ 21.7358, 23.5194,
56.8202

■ 21.7358, 23.5194,
56.8202

253.8218,
270.3816, 430.2501

■ 13.7784, 14.9775,
40.4525

■ 45.7911, 49.2448,
101.7005

■ 8.0474, 8.8036,
27.5751

■ 62.6196, 67.1971,
131.0502

■ 4.1773, 4.6133,
17.7693

■ 83.1360, 89.0549,
165.5643

■ 1.8029, 2.0222,
10.6168

■ 107.7055,
115.2027, 205.6614

■ 0.5194, 0.6203,
5.6989

■ 136.6934,
146.0249, 251.7600

■ 0.0000, 0.0000,
2.5970

170.4652,

■ 0.0000, 0.0000,

181.9059, 304.2786

0.8909

209.3863,
223.2300, 363.6358

■ 0.0000, 0.0000,
0.0000

■ 21.7358, 23.5194,
56.8202

■ 21.7358, 23.5194,
56.8202

■ 19.2927, 20.3812,
56.3437

■ 24.7612, 27.1249,
57.3571

■ 17.3778, 17.6771,
55.9227

■ 28.4109, 31.2222,
57.9556

■ 15.9296, 15.3717,
55.5540

■ 32.7259, 35.8366,
58.6189

■ 15.3373, 14.3655,
55.3910

■ 37.7425, 40.9905,
59.3493

■ 43.4943, 46.7048,
60.1491

■ 50.0124, 52.9992,
61.0205

■ 57.3265, 59.8922,
61.9655

■ 65.4641, 67.4014,
62.9860

■ 74.4516, 75.5436,
64.0839

Harmonies

Analogous

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



18.0436, 23.5194, 50.2426



21.7358, 23.5194, 56.8202



26.0851, 23.5194, 53.0979

Triad

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



21.7358, 23.5194, 56.8202



30.5779, 23.5194, 16.7484



16.2556, 23.5194, 14.5212

Complementary

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



21.7358, 23.5194, 56.8202



32.2145, 28.1380, 9.3648

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.



18.9977, 23.5194, 9.7525



21.7358, 23.5194, 56.8202



27.3024, 23.5194, 10.7227

Square

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



21.7358, 23.5194, 56.8202



31.5508, 23.5194, 27.4391



22.9848, 23.5194, 8.6235



15.1451, 23.5194, 23.8615

Rectangle

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



21.7358, 23.5194, 56.8202



28.7313, 23.5194, 45.7534



22.9848, 23.5194, 8.6235



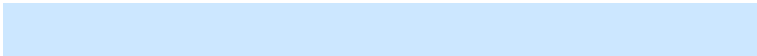
16.9987, 23.5194, 12.4626

Sweetspot

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



21.7367, 23.5202, 56.8208



71.6057, 77.3650, 105.7667



26.4834, 43.1878, 27.0376



14.7175, 15.9512, 22.5531



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.



21.7367, 23.5202, 56.8208



32.6924, 34.0754, 99.4619



15.1951, 10.4372, 54.6403



10.5186, 11.2112, 13.5271



10.0605, 9.5150, 36.0507



0.5484, 0.5945, 1.7310

Inverse Universe

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



30.0051, 18.0981, 25.9573



49.2238, 26.7240, 36.9727



43.1146, 49.9381, 12.9981



10.8670, 10.7302, 12.2830



16.8774, 8.5005, 9.8303



0.8355, 0.4170, 0.6568

Previews

White Background



This preview shows how the XYZ color 21.7358, 23.5194, 56.8202 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 21.7358, 23.5194, 56.8202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

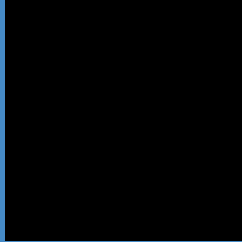
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.7358, 23.5194, 56.8202

Background



This preview shows how black text looks on a background with the XYZ color 21.7358, 23.5194, 56.8202.

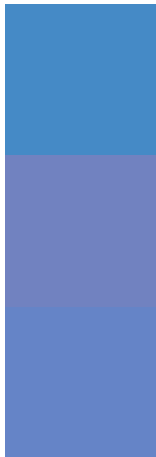


This preview shows how white text looks on a background with the XYZ color 21.7358, 23.5194,

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

21.7358, 23.5194, 56.8202

Protanopia

24.3071, 23.2817, 53.0819

Deuteranopia

23.9269, 23.3928, 57.2870



Tritanopia

17.5772, 23.6072, 35.9780

Trichromacy



Original Color

21.7358, 23.5194, 56.8202

Protanomaly

23.0549, 23.2115, 54.3041

Deuteranomaly

22.9537, 23.2976, 57.3199

Tritanomaly

18.8866, 23.4463, 43.0653

Monochromacy



Original Color

21.7358, 23.5194, 56.8202

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.1451, 20.8779, 32.2989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7358, 23.5194, 56.8202 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(69, 138, 198)` looks like.

```
.text, #text, p{  
    color:rgb(69, 138, 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(69, 138, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 138, 198) }
```

Border

The CSS property to change the border of an element to XYZ 21.7358, 23.5194, 56.8202 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(69, 138, 198) }
```


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

```
.border{ border-color:rgb(69, 138, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 138, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 138, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 138, 198);  
box-shadow:4px 4px 4px 4px rgb(69, 138,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7358, 23.5194, 56.8202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 138, 198) }
```

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

```
.background{ background-color: rgb(69, 138,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor