

Converting Colors

XYZ(22.9453, 23.0154, 60.7965)

Have a look what the booklet for
XYZ(22.9453, 23.0154, 60.7965)
contains.

XYZ(22.9743, 23.0218, 60.9904)	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(22.9743, 23.0218,
60.9904)**

Conversions

Conversions Part 1

Format	Color
Hex	5385CD
RGB	83, 133, 205
RGB Percent	33%, 52%, 80%
CMY	0.6745, 0.4784, 0.1961
CMYK	0.60, 0.35, 0.00, 0.20
HSL	215°, 55%, 56%
HSV	215°, 60%, 80%
XYZ	22.9743, 23.0218, 60.9904
YIQ	126.2580, -52.9120, 11.7920

Conversions

Conversions Part 2

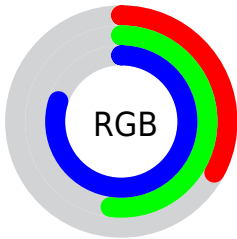
Format	Color
R _Y B	83, 118, 205
Decimal	5473741
CIE Lab	55.09, 5.02, -42.29
CIE LCh	55, 42.585, 276.768
Yxy	23.0218, 0.2147, 0.2152
Android (android.graphics.Color)	4283663821 (0xFF5385CD)
YUV	126.2580, 38.8198, -37.9373
Hunter-Lab	47.9810, 1.5026, -41.7789

Details

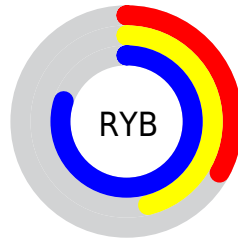
The XYZ color **22.9743, 23.0218, 60.9904** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **38.4611, 37.0488, 13.3091**, and the grayscale version is **19.8048, 20.8362, 22.6906**.

A 20% lighter version of the original color is **46.5934, 48.0005, 101.4170**, and **8.6753, 8.5427, 30.0458** is the 20% darker color. If you saturate the color by 10%, you get **19.8636, 19.0995, 60.3977**, and if you desaturate by 10%, it is **26.8122, 27.6029, 61.6728**.

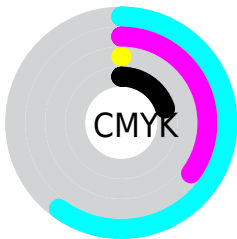
Distribution



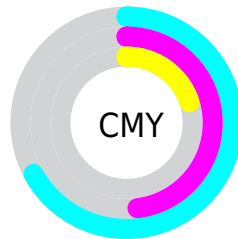
- Red (33%)
- Green (52%)
- Blue (80%)



- Red (33%)
- Yellow (46%)
- Blue (80%)



- Cyan (60%)
- Magenta (35%)
- Yellow (0%)
- Black (20%)



- Cyan (67%)
- Magenta (48%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9743, 23.0218, 60.9904 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 22.9743, 23.0218, 60.9904 by changing the saturation by 10% instead.

■ 22.9743, 23.0218,
60.9904

■ 22.9743, 23.0218,
60.9904

260.1308,
267.8369, 446.1444

■ 14.6951, 14.6096,
43.7869

■ 47.8181, 48.4291,
107.8224

■ 8.6906, 8.5459,
30.1671

■ 65.1134, 66.1930,
138.2881

■ 4.5954, 4.4462,
19.7123

■ 86.1448, 87.8430,
174.0115

■ 2.0442, 1.9261,
12.0041

■ 111.2777,
113.7633, 215.4112

■ 0.6586, 0.5640,
6.6239

140.8774,
144.3385, 262.9059

■ 0.0000, 0.0000,
3.1532

175.3092,

■ 0.0000, 0.0000,

179.9529, 316.9139

1.1734

214.9386,
220.9909, 377.8539

■ 0.0000, 0.0000,
0.0000

■ 22.9743, 23.0218,
60.9904

■ 22.9743, 23.0218,
60.9904

■ 19.8636, 19.0995,
60.3977

■ 26.8122, 27.6029,
61.6728

■ 17.4224, 15.7956,
59.8887

■ 31.4235, 32.8749,
62.4474

■ 15.5871, 13.0677,
59.4589

■ 36.8535, 38.8699,
63.3184

■ 14.2497, 10.8494,
59.1012

■ 43.1429, 45.6175,
64.2893

■ 14.1907, 10.7502,
59.0852

■ 50.3296, 53.1450,
65.3635

■ 58.4492, 61.4786,
66.5441

■ 67.5352, 70.6430,
67.8341

■ 77.6193, 80.6618,
69.2364

■ 83.9795, 89.1077,
70.5314

Harmonies

Analogous

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



18.4768, 23.0218, 57.5541



22.9743, 23.0218, 60.9904



27.8088, 23.0218, 52.3602

Triad

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



22.9743, 23.0218, 60.9904



30.0329, 23.0218, 12.4551



14.5237, 23.0218, 16.1091

Complementary

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



22.9743, 23.0218, 60.9904



38.4611, 37.0488, 13.3091

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.



16.8627, 23.0218, 9.4224



22.9743, 23.0218, 60.9904



25.6808, 23.0218, 7.9081

Square

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



22.9743, 23.0218, 60.9904



32.2480, 23.0218, 22.1123



20.8240, 23.0218, 7.0442



14.0153, 23.0218, 28.2735

Rectangle

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



22.9743, 23.0218, 60.9904



30.4334, 23.0218, 42.2836



20.8240, 23.0218, 7.0442



15.1036, 23.0218, 13.3021

Sweetspot

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



22.9752, 23.0226, 60.9910



72.0915, 76.2274, 105.5215



31.2463, 47.8411, 38.2336



14.7368, 15.5804, 22.4805



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.



22.9752, 23.0226, 60.9910



31.4830, 29.8995, 98.7196



18.6451, 12.9316, 59.2714



10.9730, 11.5864, 14.2284



8.9227, 6.8693, 36.8119



0.5344, 0.5026, 1.9238

Inverse Universe

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



32.5046, 20.8604, 24.5041



49.0423, 28.2936, 30.9540



45.8561, 55.8677, 16.5518



11.3997, 11.2886, 12.6396



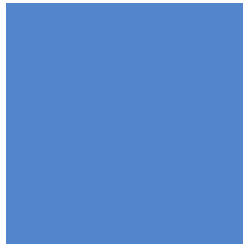
16.7147, 8.4964, 6.2160



0.8997, 0.4533, 0.5177

Previews

White Background



This preview shows how the XYZ color 22.9743, 23.0218, 60.9904 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 22.9743, 23.0218, 60.9904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

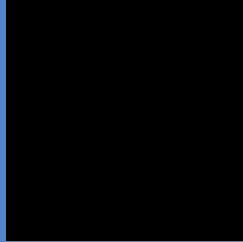
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.9743, 23.0218, 60.9904

Background



This preview shows how black text looks on a background with the XYZ color 22.9743, 23.0218, 60.9904.

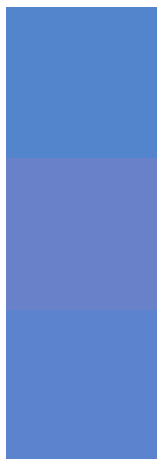


This preview shows how white text looks on a background with the XYZ color 22.9743, 23.0218,

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

22.9743, 23.0218, 60.9904

Protanopia

24.2186, 22.9208, 58.4060

Deuteranopia

23.5494, 22.9157, 60.9396



Tritanopia

17.6633, 23.0036, 34.5195

Trichromacy



Original Color

22.9743, 23.0218, 60.9904

Protanomaly

23.5731, 22.7709, 59.0299

Deuteranomaly

23.3905, 23.0342, 60.9708

Tritanomaly

19.2297, 22.7476, 42.9124

Monochromacy



Original Color

22.9743, 23.0218, 60.9904

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.1971, 21.3821, 34.0730

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9743, 23.0218, 60.9904 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(83, 133, 205)` looks like.

```
.text, #text, p{  
    color:rgb(83, 133, 205)  
}
```

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(83, 133, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 133, 205) }
```

Border

The CSS property to change the border of an element to XYZ 22.9743, 23.0218, 60.9904 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(83, 133, 205) }
```


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

```
.border{ border-color:rgb(83, 133, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 133, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 133, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 133, 205);  
box-shadow:4px 4px 4px 4px rgb(83, 133,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9743, 23.0218, 60.9904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 133, 205) }
```

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

```
.background{ background-color: rgb(83, 133,  
205) }
```

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