

Converting Colors

XYZ(23.2705, 23.2635, 63.6510)

Have a look what the booklet for
XYZ(23.2705, 23.2635, 63.6510)
contains.

XYZ(23.2582, 23.3159, 63.5962)	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(23.2582, 23.3159,
63.5962)**

Conversions

Conversions Part 1

Format	Color
Hex	4F86D1
RGB	79, 134, 209
RGB Percent	31%, 53%, 82%
CMY	0.6902, 0.4745, 0.1804
CMYK	0.62, 0.36, 0.00, 0.18
HSL	215°, 59%, 56%
HSV	215°, 62%, 82%
XYZ	23.2582, 23.3159, 63.5962
YIQ	126.1050, -56.8550, 11.6650

Conversions

Conversions Part 2

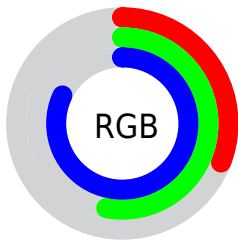
Format	Color
R_{YB}	79, 118, 209
Decimal	5211857
CIE Lab	55.40, 5.00, -44.08
CIE LCh	55, 44.366, 276.467
Yxy	23.3159, 0.2111, 0.2116
Android (android.graphics.Color)	4283401937 (0xFF4F86D1)
YUV	126.1050, 40.8672, -41.3111
Hunter-Lab	48.2865, 1.4767, -44.2878

Details

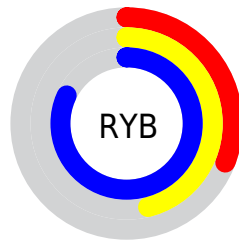
The XYZ color **23.2582, 23.3159, 63.5962** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **39.2630, 37.2335, 12.5160**, and the grayscale version is **19.7472, 20.7755, 22.6246**.

A 20% lighter version of the original color is **46.3016, 48.1639, 101.4640**, and **9.0812, 8.8301, 31.7976** is the 20% darker color. If you saturate the color by 10%, you get **20.2125, 19.4114, 63.0036**, and if you desaturate by 10%, it is **27.0421, 27.8837, 64.2789**.

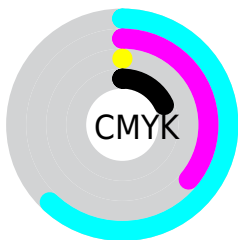
Distribution



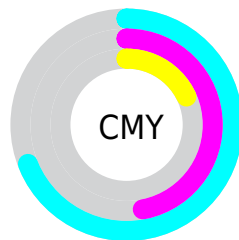
- Red (31%)
- Green (53%)
- Blue (82%)



- Red (31%)
- Yellow (46%)
- Blue (82%)



- Cyan (62%)
- Magenta (36%)
- Yellow (0%)
- Black (18%)



- Cyan (69%)
- Magenta (47%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2582, 23.3159, 63.5962 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 23.2582, 23.3159, 63.5962 by changing the saturation by 10% instead.

■ 23.2582, 23.3159,
63.5962

■ 23.2582, 23.3159,
63.5962

261.5590,
269.3434, 455.8974

■ 14.9060, 14.8269,
45.8796

■ 48.2805, 48.9115,
111.6231

■ 8.8393, 8.6980,
31.8028

■ 65.6813, 66.7870,
142.7704

■ 4.6928, 4.5447,
20.9474

■ 86.8290, 88.5600,
179.2318

■ 2.1011, 1.9827,
12.8947

■ 112.0891,
114.6151, 221.4256

■ 0.6898, 0.5974,
7.2262

141.8267,
145.3366, 269.7706

■ 0.0000, 0.0000,
3.5234

176.4074,

■ 0.0000, 0.0000,

181.1089, 324.6852

1.3677

216.1964,
222.3163, 386.5879

■ 0.0000, 0.0000,
0.1163

■ 0.0000, 0.0000,
0.0000

■ 23.2582, 23.3159,
63.5962

■ 23.2582, 23.3159,
63.5962

■ 20.2125, 19.4114,
63.0036

■ 27.0421, 27.8837,
64.2789

■ 17.8427, 16.1277,
62.4947

■ 31.6139, 33.1485,
65.0542

■ 16.0792, 13.4194,
62.0648

■ 37.0218, 39.1440,
65.9264

■ 15.0329, 11.6518,
61.7788

■ 43.3088, 45.9007,
66.8992

■ 50.5152, 53.4472,
67.9760

■ 58.6784, 61.8104,
69.1600

■ 67.8338, 71.0159,
70.4543

■ 78.0149, 81.0881,
71.8619

■ 84.6576, 89.6811,
73.1704

Harmonies

Analogous

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



18.5502, 23.3159, 59.7861



23.2582, 23.3159, 63.5962



28.3599, 23.3159, 54.4789

Triad

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



23.2582, 23.3159, 63.5962



30.7973, 23.3159, 12.3174



14.4839, 23.3159, 15.9285

Complementary

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



23.2582, 23.3159, 63.5962



39.2630, 37.2335, 12.5160

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.



16.9385, 23.3159, 9.0921



23.2582, 23.3159, 63.5962



26.2126, 23.3159, 7.6204

Square

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



23.2582, 23.3159, 63.5962



33.1142, 23.3159, 22.4192



21.0990, 23.3159, 6.7137



13.9365, 23.3159, 28.6059

Rectangle

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



23.2582, 23.3159, 63.5962



31.1491, 23.3159, 43.7704



21.0990, 23.3159, 6.7137



15.0932, 23.3159, 13.0420

Sweetspot

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



23.2591, 23.3167, 63.5968



71.1385, 75.3845, 105.4090



31.7483, 49.5529, 37.8858



14.5582, 15.4294, 22.4608



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.



23.2591, 23.3167, 63.5968



30.2215, 28.4483, 98.5060



18.2989, 12.2554, 61.7232



11.5689, 12.2280, 14.9942



9.3618, 7.3703, 38.1217



0.6013, 0.5677, 2.1575

Inverse Universe

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



33.3944, 20.8697, 24.8230



48.1439, 26.9325, 29.3114



48.1211, 58.4914, 16.1523



12.0133, 11.8901, 13.3458



17.3562, 8.8153, 6.7817



1.0097, 0.5086, 0.5860

Previews

White Background



This preview shows how the XYZ color 23.2582, 23.3159, 63.5962 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 23.2582, 23.3159, 63.5962 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

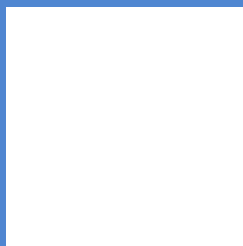
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.2582, 23.3159, 63.5962

Background



This preview shows how black text looks on a background with the XYZ color 23.2582, 23.3159, 63.5962.



This preview shows how white text looks on a background with the XYZ color 23.2582, 23.3159,

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

23.2582, 23.3159, 63.5962

Protanopia

24.7110, 23.3161, 60.9557

Deuteranopia

23.8797, 23.2298, 63.5468



Tritanopia

17.5943, 23.4080, 35.0434

Trichromacy



Original Color

23.2582, 23.3159, 63.5962

Protanomaly

23.9762, 23.1217, 61.5918

Deuteranomaly

23.6425, 23.3098, 63.5748

Tritanomaly

19.2493, 23.1690, 44.0150

Monochromacy



Original Color

23.2582, 23.3159, 63.5962

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.1577, 21.3520, 34.5114

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2582, 23.3159, 63.5962 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(79, 134, 209)` looks like.

```
.text, #text, p{  
    color:rgb(79, 134, 209)  
}
```

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(79, 134, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 134, 209) }
```

Border

The CSS property to change the border of an element to XYZ 23.2582, 23.3159, 63.5962 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(79, 134, 209) }
```


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

```
.border{ border-color:rgb(79, 134, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 134, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 134, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 134, 209);  
box-shadow:4px 4px 4px 4px rgb(79, 134,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2582, 23.3159, 63.5962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 134, 209) }
```

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

```
.background{ background-color: rgb(79, 134,  
209) }
```

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