

Converting Colors

XYZ(22.9773, 20.0479, 65.4718)

Have a look what the booklet for
XYZ(22.9773, 20.0479, 65.4718)
contains.

XYZ(23.0029, 20.0881, 65.6158)	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(23.0029, 20.0881,
65.6158)**

Conversions

Conversions Part 1

Format	Color
Hex	5D76D5
RGB	93, 118, 213
RGB Percent	36%, 46%, 84%
CMY	0.6353, 0.5373, 0.1647
CMYK	0.56, 0.45, 0.00, 0.16
HSL	228°, 59%, 60%
HSV	228°, 56%, 84%
XYZ	23.0029, 20.0881, 65.6158
YIQ	121.3550, -45.3950, 24.2450

Conversions

Conversions Part 2

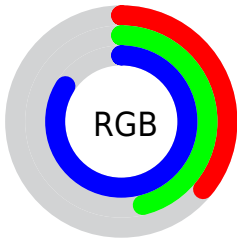
Format	Color
R _Y B	93, 114, 213
Decimal	6125269
CIE Lab	51.94, 18.76, -51.80
CIE LCh	52, 55.093, 289.909
Yxy	20.0881, 0.2116, 0.1848
Android (android.graphics.Color)	4284315349 (0xFF5D76D5)
YUV	121.3550, 45.1810, -24.8673
Hunter-Lab	44.8198, 13.1772, -55.4263

Details

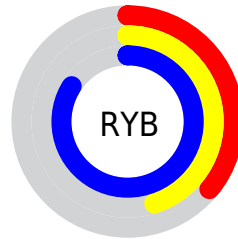
The XYZ color **23.0029, 20.0881, 65.6158** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **47.4013, 50.9056, 17.6849**, and the grayscale version is **18.1584, 19.1041, 20.8043**.

A 20% lighter version of the original color is **45.1872, 42.5488, 100.4389**, and **8.7151, 7.0311, 33.2456** is the 20% darker color. If you saturate the color by 10%, you get **19.3280, 15.5047, 64.9252**, and if you desaturate by 10%, it is **27.6348, 25.6923, 66.4538**.

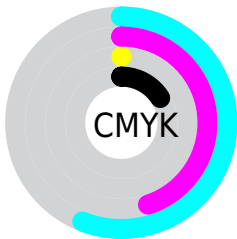
Distribution



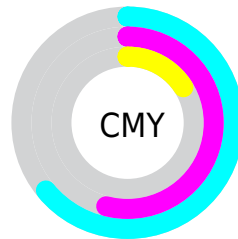
- Red (36%)
- Green (46%)
- Blue (84%)



- Red (36%)
- Yellow (45%)
- Blue (84%)



- Cyan (56%)
- Magenta (45%)
- Yellow (0%)
- Black (16%)



- Cyan (64%)
- Magenta (54%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0029, 20.0881, 65.6158 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 23.0029, 20.0881, 65.6158 by changing the saturation by 10% instead.

■ 23.0029, 20.0881,
65.6158

■ 23.0029, 20.0881,
65.6158

260.2749,
252.3917, 463.3682

■ 14.7164, 12.4591,
47.5061

■ 47.8647, 43.5648,
114.5565

■ 8.7056, 7.0572,
33.0787

■ 65.1707, 60.1814,
146.2245

■ 4.6052, 3.4979,
21.9151

■ 86.2139, 80.5625,
183.2490

■ 2.0499, 1.3969,
13.5968

■ 111.3596,
105.0927, 226.0486

■ 0.6618, 0.2144,
7.7053

140.9732,
134.1563, 275.0418

■ 0.0000, 0.0000,
3.8219

175.4200,

■ 0.0000, 0.0000,

168.1378, 330.6471

1.5281

215.0655,
207.4214, 393.2831

■ 0.0000, 0.0000,
0.2388

■ 0.0000, 0.0000,
0.0000

■ 23.0029, 20.0881,
65.6158

■ 23.0029, 20.0881,
65.6158

■ 19.3280, 15.5047,
64.9252

■ 27.6348, 25.6923,
66.4538

■ 16.5375, 11.8760,
64.3719

■ 33.2840, 32.3737,
67.4457

■ 14.5517, 9.1303,
63.9466

■ 40.0087, 40.1868,
68.5994

■ 13.2722, 7.1829,
63.6381

■ 47.8620, 49.1818,
69.9217

■ 12.9248, 6.6330,
63.5503

■ 56.8933, 59.4059,
71.4191

■ 67.1490, 70.9034,
73.0978

■ 78.6731, 83.7165,
74.9636

■ 88.3463, 96.2562,
76.8742

■ 89.0103, 97.5841,
77.0955

Harmonies

Analogous

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



17.2665, 20.0881, 68.5006



23.0029, 20.0881, 65.6158



28.5809, 20.0881, 48.3769

Triad

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



23.0029, 20.0881, 65.6158



26.9081, 20.0881, 5.7385



10.3273, 20.0881, 16.8983

Complementary

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



23.0029, 20.0881, 65.6158



47.4013, 50.9056, 17.6849

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.



11.9786, 20.0881, 7.4092



23.0029, 20.0881, 65.6158



21.0443, 20.0881, 3.3857

Square

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



23.0029, 20.0881, 65.6158



31.1236, 20.0881, 12.9563



15.6536, 20.0881, 3.7953



10.6474, 20.0881, 34.1552

Rectangle

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



23.0029, 20.0881, 65.6158



31.1074, 20.0881, 34.2797



15.6536, 20.0881, 3.7953



10.6554, 20.0881, 12.8913

Sweetspot

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



23.0037, 20.0888, 65.6163



70.8726, 72.7091, 104.9066



37.2791, 53.5043, 55.3773



14.6332, 14.9507, 22.3645



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.



23.0037, 20.0888, 65.6163



27.9404, 21.8868, 97.3597



24.6783, 17.1463, 64.9601



11.9501, 12.4237, 15.7057



7.9549, 4.1715, 38.8391



0.5405, 0.3730, 2.3628

Inverse Universe

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



34.6258, 23.2841, 19.8092



47.4806, 28.5358, 20.0576



44.3614, 57.9632, 19.2073



12.5280, 12.4627, 13.4548



17.0741, 8.7660, 2.4284



1.0605, 0.5410, 0.3078

Previews

White Background



This preview shows how the XYZ color 23.0029, 20.0881, 65.6158 looks on a white background.

Color Contrast Check

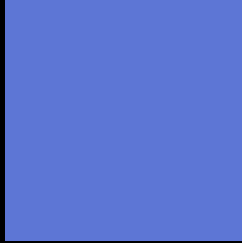
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0029, 20.0881, 65.6158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

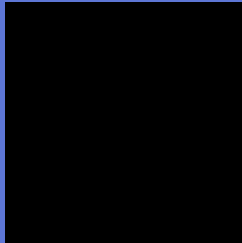
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.0029, 20.0881, 65.6158

Background



This preview shows how black text looks on a background with the XYZ color 23.0029, 20.0881, 65.6158.



This preview shows how white text looks on a background with the XYZ color 23.0029, 20.0881,

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

23.0029, 20.0881, 65.6158

Protanopia

22.3756, 20.0886, 66.9881

Deuteranopia

20.7788, 20.2402, 64.4396



Tritanopia

15.6683, 19.9469, 29.4099

Trichromacy



Original Color

23.0029, 20.0881, 65.6158

Protanomaly

22.4807, 19.9800, 66.2900

Deuteranomaly

21.3690, 19.9746, 65.0166

Tritanomaly

17.8611, 19.8394, 40.4241

Monochromacy



Original Color

23.0029, 20.0881, 65.6158

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.1048, 19.1455, 33.2604

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0029, 20.0881, 65.6158 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(93, 118, 213)` looks like.

```
.text, #text, p{  
    color:rgb(93, 118, 213)  
}
```

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(93, 118, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 118, 213) }
```

Border

The CSS property to change the border of an element to XYZ 23.0029, 20.0881, 65.6158 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(93, 118, 213) }
```


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

```
.border{ border-color:rgb(93, 118, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 118, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 118, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 118, 213);  
box-shadow:4px 4px 4px 4px rgb(93, 118,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0029, 20.0881, 65.6158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 118, 213) }
```

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

```
.background{ background-color: rgb(93, 118,  
213) }
```

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