

Converting Colors

XYZ(23.2891, 20.1460, 69.6789)

Have a look what the booklet for
XYZ(23.2891, 20.1460, 69.6789)
contains.

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Color

**XYZ(23.2891, 20.1460,
69.6789)**

Conversions

Conversions Part 1

Format	Color
Hex	5876DB
RGB	88, 118, 219
RGB Percent	35%, 46%, 86%
CMY	0.6549, 0.5373, 0.1412
CMYK	0.60, 0.46, 0.00, 0.14
HSL	226°, 65%, 60%
HSV	226°, 60%, 86%
XYZ	23.2891, 20.1460, 69.6789
YIQ	120.5440, -50.3010, 25.0510

Conversions

Conversions Part 2

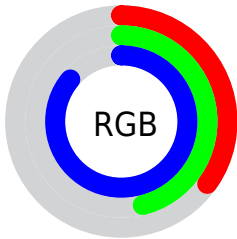
Format	Color
R _Y B	88, 112, 219
Decimal	5797595
CIE Lab	52.00, 19.77, -55.11
CIE LCh	52, 58.543, 289.733
Yxy	20.1460, 0.2059, 0.1781
Android (android.graphics.Color)	4283987675 (0xFF5876DB)
YUV	120.5440, 48.5388, -28.5411
Hunter-Lab	44.8843, 14.0707, -60.6235

Details

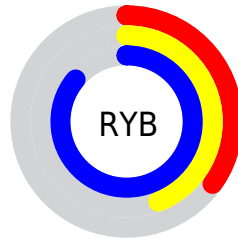
The XYZ color **23.2891, 20.1460, 69.6789** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **49.1744, 52.1629, 16.7107**, and the grayscale version is **17.8884, 18.8200, 20.4950**.

A 20% lighter version of the original color is **44.6375, 42.2654, 100.4131**, and **8.8135, 7.0311, 35.5429** is the 20% darker color. If you saturate the color by 10%, you get **19.7051, 15.6063, 68.9920**, and if you desaturate by 10%, it is **27.8532, 25.7198, 70.5146**.

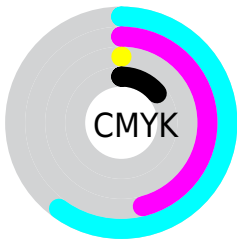
Distribution



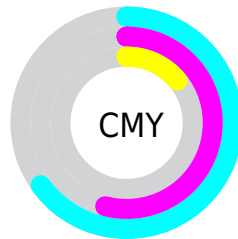
- Red (35%)
- Green (46%)
- Blue (86%)



- Red (35%)
- Yellow (44%)
- Blue (86%)



- Cyan (60%)
- Magenta (46%)
- Yellow (0%)
- Black (14%)



- Cyan (65%)
- Magenta (54%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2891, 20.1460, 69.6789 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 23.2891, 20.1460, 69.6789 by changing the saturation by 10% instead.

■ 23.2891, 20.1460,
69.6789

■ 23.2891, 20.1460,
69.6789

261.7141,
252.7044, 478.1804

■ 14.9290, 12.5012,
50.7896

■ 48.3308, 43.6618,
120.4275

■ 8.8556, 7.0860,
35.6656

■ 65.7430, 60.3017,
153.1240

■ 4.7034, 3.5159,
23.8884

■ 86.9034, 80.7086,
191.2599

■ 2.1073, 1.4067,
15.0394

■ 112.1772,
105.2671, 235.2538

■ 0.6932, 0.2216,
8.7001

141.9298,
134.3616, 285.5243

■ 0.0000, 0.0000,
4.4520

176.5266,

■ 0.0000, 0.0000,

168.3763, 342.4899

1.8764

216.3329,
207.6958, 406.5690

■ 0.0000, 0.0000,
0.4777

■ 0.0000, 0.0000,
0.0000

■ 23.2891, 20.1460,
69.6789

■ 23.2891, 20.1460,
69.6789

■ 19.7051, 15.6063,
68.9920

■ 27.8532, 25.7198,
70.5146

■ 17.0221, 12.0310,
68.4433

■ 33.4631, 32.3870,
71.5059

■ 15.1516, 9.3440,
68.0232

■ 40.1813, 40.2045,
72.6607

■ 13.9517, 7.4378,
67.7185

■ 48.0649, 49.2245,
73.9862

■ 13.9331, 7.4081,
67.7138

■ 57.1665, 59.4959,
75.4891

■ 67.5359, 71.0650,
77.1756

■ 79.2199, 83.9754,
79.0518

■ 89.1785, 96.6789,
80.9789

■ 89.7863, 97.8945,
81.1815

Harmonies

Analogous

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



17.1751, 20.1460, 72.7558



23.2891, 20.1460, 69.6789



29.3048, 20.1460, 50.7656

Triad

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



23.2891, 20.1460, 69.6789



27.5625, 20.1460, 5.2025



9.9320, 20.1460, 16.5847

Complementary

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



23.2891, 20.1460, 69.6789



49.1744, 52.1629, 16.7107

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.



11.6600, 20.1460, 6.8143



23.2891, 20.1460, 69.6789



21.2668, 20.1460, 2.8871

Square

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



23.2891, 20.1460, 69.6789



32.1053, 20.1460, 12.6065



15.5297, 20.1460, 3.2657



10.2517, 20.1460, 35.0054

Rectangle

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



23.2891, 20.1460, 69.6789



32.0537, 20.1460, 35.3999



15.5297, 20.1460, 3.2657



10.2758, 20.1460, 12.4086

Sweetspot

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



23.2900, 20.1466, 69.6794



69.8637, 71.7717, 104.7789



38.4810, 56.3880, 56.6792



14.1993, 14.5053, 22.3014



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.



23.2900, 20.1466, 69.6794



26.6322, 20.4833, 97.1577



24.4361, 16.3015, 68.8768



12.5794, 13.0985, 16.5174



8.3304, 4.5303, 40.1738



0.6053, 0.4247, 2.6245

Inverse Universe

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



35.9740, 23.3488, 19.7506



46.5242, 27.0197, 18.5160



46.8771, 61.5669, 18.6469



13.1776, 13.1001, 14.1963



17.7002, 9.0811, 2.8011



1.1798, 0.6016, 0.3559

Previews

White Background



This preview shows how the XYZ color 23.2891, 20.1460, 69.6789 looks on a white background.

Color Contrast Check

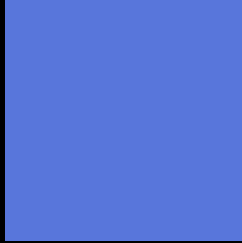
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2891, 20.1460, 69.6789 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 23.2891, 20.1460, 69.6789

Background



This preview shows how black text looks on a background with the XYZ color 23.2891, 20.1460, 69.6789.



This preview shows how white text looks on a background with the XYZ color 23.2891, 20.1460,

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

23.2891, 20.1460, 69.6789

Protanopia

22.6693, 20.1493, 71.1010

Deuteranopia

20.8128, 20.1692, 68.4417



Tritanopia

15.4278, 20.2155, 30.2830

Trichromacy



Original Color

23.2891, 20.1460, 69.6789

Protanomaly

22.8234, 20.0664, 70.3804

Deuteranomaly

21.4181, 19.9108, 69.0440

Tritanomaly

17.7078, 19.9109, 42.4451

Monochromacy



Original Color

23.2891, 20.1460, 69.6789

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.1089, 19.1185, 34.5814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2891, 20.1460, 69.6789 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(88, 118, 219)` looks like.

```
.text, #text, p{  
    color:rgb(88, 118, 219)  
}
```

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(88, 118, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 118, 219) }
```

Border

The CSS property to change the border of an element to XYZ 23.2891, 20.1460, 69.6789 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(88, 118, 219) }
```


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

```
.border{ border-color:rgb(88, 118, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 118, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 118, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 118, 219);  
box-shadow:4px 4px 4px 4px rgb(88, 118,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2891, 20.1460, 69.6789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 118, 219) }
```

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

```
.background{ background-color: rgb(88, 118,  
219) }
```

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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