

Converting Colors

XYZ(23.1828, 35.2854, 5.6170)

Have a look what the booklet for
XYZ(23.1828, 35.2854, 5.6170)
contains.

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Color

**XYZ(23.1988, 35.2980,
5.6192)**

Conversions

Conversions Part 1

Format	Color
Hex	76B101
RGB	118, 177, 1
RGB Percent	46%, 69%, 0%
CMY	0.5373, 0.3059, 0.9960
CMYK	0.33, 0.00, 0.99, 0.31
HSL	80°, 99%, 35%
HSV	80°, 99%, 69%
XYZ	23.1988, 35.2980, 5.6192
YIQ	139.2950, 21.3320, -67.2440

Conversions

Conversions Part 2

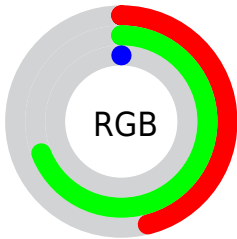
Format	Color
R_{YB}	1, 177, 60
Decimal	7778561
CIE Lab	65.98, -40.89, 66.88
CIE LCh	66, 78.392, 121.440
Yxy	35.2980, 0.3618, 0.5505
Android (android.graphics.Color)	4285968641 (0xFF76B101)
YUV	139.2950, -68.1794, -18.6757
Hunter-Lab	59.4121, -34.2719, 35.9808

Details

The XYZ color **23.1988, 35.2980, 5.6192** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **9.8120, 4.1579, 41.8824**, and the grayscale version is **24.9052, 26.2022, 28.5342**.

A 20% lighter version of the original color is **48.1577, 67.9276, 17.5943**, and **9.1321, 15.4074, 2.4926** is the 20% darker color. If you saturate the color by 10%, you get **23.1478, 35.2735, 5.5884**, and if you desaturate by 10%, it is **24.1407, 35.7720, 6.2359**.

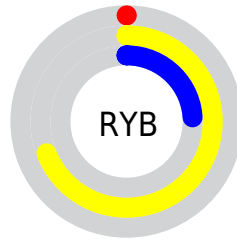
Distribution



Red (46%)

Green (69%)

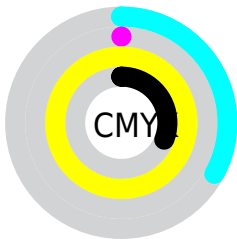
Blue (0%)



Red (0%)

Yellow (69%)

Blue (24%)

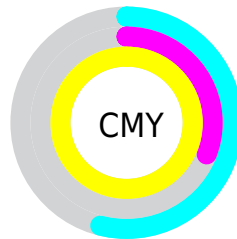


Cyan (33%)

Magenta (0%)

Yellow (99%)

Black (31%)



Cyan (54%)


Magenta (31%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.1988, 35.2980, 5.6192 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 23.1988, 35.2980, 5.6192 by changing the saturation by 10% instead.


 23.1988, 35.2980,
5.6192


 23.1988, 35.2980,
5.6192


261.2607,
325.8817, 164.8091


 14.8619, 23.8925,
2.5499


 48.1838, 67.9472,
17.5991


 8.8082, 15.2539,
0.8664


 65.5626, 89.9596,
27.3467


 4.6724, 8.9978,
0.0000


 86.6861, 116.2765,
40.1576

 2.0891, 4.7397,
0.0000

 111.9195,
147.2823, 56.4502

 0.6833, 2.0954,
0.0000

 141.6284,
183.3613, 76.6431

 0.0000, 0.6620,
0.0000

 176.1780,

 0.0000, 0.0000,

224.8980, 101.1549

0.0000

215.9336,
272.2766, 130.4040

■ 23.1988, 35.2980,
5.6192

■ 23.1988, 35.2980,
5.6192

■ 23.1478, 35.2735,
5.5884

■ 24.1407, 35.7720,
6.2359

■ 25.2335, 36.3112,
7.3815

■ 26.5129, 36.9310,
9.2356

■ 27.9971, 37.6389,
11.8894

■ 29.7015, 38.4412,
15.4204

■ 31.6400, 39.3435,
19.8970

■ 33.8251, 40.3508,
25.3810

■ 36.2683, 41.4680,
31.9286

■ 38.9803, 42.6992,
39.5923

Harmonies

Analogous

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



32.9918, 35.2980, 3.3997



23.1988, 35.2980, 5.6192



17.5113, 35.2980, 15.2513

Triad

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



23.1988, 35.2980, 5.6192



23.9670, 35.2980, 126.4015



61.1874, 35.2980, 36.8490

Complementary

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



23.1988, 35.2980, 5.6192



9.8120, 4.1579, 41.8824

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.



57.2306, 35.2980, 77.8281



23.1988, 35.2980, 5.6192



34.1139, 35.2980, 144.3543

Square

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



23.1988, 35.2980, 5.6192



17.8776, 35.2980, 82.3681



46.5959, 35.2980, 122.8813



56.4334, 35.2980, 13.7973

Rectangle

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



23.1988, 35.2980, 5.6192



15.9595, 35.2980, 29.6792



46.5959, 35.2980, 122.8813



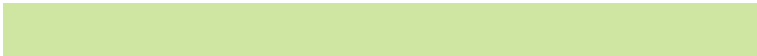
60.8273, 35.2980, 48.7594

Sweetspot

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



23.1996, 35.2996, 5.6200



60.1293, 72.0580, 44.2961



19.7370, 12.5480, 1.4110



12.6751, 15.4523, 8.6946



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.1996, 35.2996, 5.6200



41.2106, 63.0447, 9.9968



16.2741, 31.7293, 5.2959



8.9147, 9.7611, 9.0668



16.8371, 25.5899, 4.0519



0.5887, 0.8355, 0.1302

Inverse Universe

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



9.8120, 4.1579, 41.8824



17.2690, 7.2607, 74.9866



20.1009, 9.4620, 42.3639



8.3016, 8.3640, 10.6832



7.1301, 3.0115, 30.3425



0.2879, 0.1275, 0.9577

Previews

White Background



This preview shows how the XYZ color 23.1988, 35.2980, 5.6192 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 23.1988, 35.2980, 5.6192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

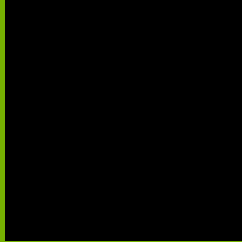
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.1988, 35.2980, 5.6192

Background



This preview shows how black text looks on a background with the XYZ color 23.1988, 35.2980, 5.6192.



This preview shows how white text looks on a background with the XYZ color 23.1988, 35.2980,

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

23.1988, 35.2980, 5.6192

Deuteranopia

35.4427, 34.6662, 6.3366

Tritanopia

31.6444, 35.3589, 47.2766

Trichromacy



Original Color

23.1988, 35.2980, 5.6192

Deuteranomaly

29.5102, 33.8575, 5.7388

Tritanomaly

26.2785, 34.2580, 21.1470

Monochromacy



Original Color

23.1988, 35.2980, 5.6192

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

22.5545, 28.3290, 13.7305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1988, 35.2980, 5.6192 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(118, 177, 1)` looks like.

```
.text, #text, p{  
    color:rgb(118, 177, 1)  
}
```

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(118, 177, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 177, 1) }
```

Border

The CSS property to change the border of an element to XYZ 23.1988, 35.2980, 5.6192 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(118, 177, 1) }
```

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

```
.border{ border-color:rgb(118, 177, 1) }
```

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

Here you see how a box with a 4 pixel rgb(118, 177, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 177, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 177, 1);  
box-shadow:4px 4px 4px 4px rgb(118, 177,  
1) }
```


Background

The CSS property to change the background color of an element to XYZ 23.1988, 35.2980, 5.6192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 177, 1) }
```

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

```
.background{ background-color: rgb(118,  
177, 1) }
```

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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