

Converting Colors

XYZ(23.2201, 35.3038, 5.9101)

Have a look what the booklet for
XYZ(23.2201, 35.3038, 5.9101)
contains.

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Color

**XYZ(23.2538, 35.3200,
5.9084)**

Conversions

Conversions Part 1

Format	Color
Hex	76B10B
RGB	118, 177, 11
RGB Percent	46%, 69%, 4%
CMY	0.5373, 0.3059, 0.9568
CMYK	0.33, 0.00, 0.94, 0.31
HSL	81°, 88%, 37%
HSV	81°, 94%, 69%
XYZ	23.2538, 35.3200, 5.9084
YIQ	140.4350, 18.1220, -64.1340

Conversions

Conversions Part 2

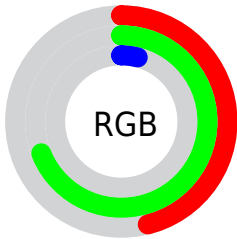
Format	Color
RYB	11, 177, 70
Decimal	7778571
CIELab	66.00, -40.72, 65.66
CIELCh	66, 77.256, 121.805
Yxy	35.3200, 0.3606, 0.5477
Android (android.graphics.Color)	4285968651 (0xFF76B10B)
YUV	140.4350, -63.8115, -19.6755
Hunter-Lab	59.4306, -34.1608, 35.7070

Details

The XYZ color **23.2538, 35.3200, 5.9084** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **10.5832, 4.7170, 41.9497**, and the grayscale version is **25.3343, 26.6537, 29.0259**.

A 20% lighter version of the original color is **48.2661, 67.9710, 18.1652**, and **9.1321, 15.4074, 2.4926** is the 20% darker color. If you saturate the color by 10%, you get **22.6733, 35.0289, 5.5662**, and if you desaturate by 10%, it is **24.2956, 35.8400, 6.7813**.

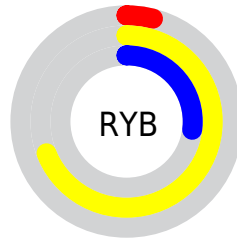
Distribution



Red (46%)

Green (69%)

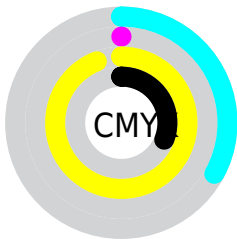
Blue (4%)



Red (4%)

Yellow (69%)

Blue (27%)

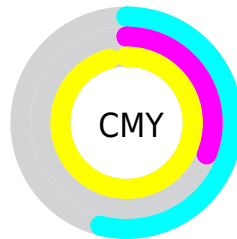


Cyan (33%)

Magenta (0%)

Yellow (94%)

Black (31%)



Cyan (54%)

Magenta (31%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2538, 35.3200, 5.9084 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 23.2538, 35.3200, 5.9084 by changing the saturation by 10% instead.

■ 23.2538, 35.3200,
5.9084

■ 23.2538, 35.3200,
5.9084

261.5370,
325.9785, 167.5285

■ 14.9027, 23.9095,
2.7216

■ 48.2733, 67.9812,
18.2148

■ 8.8370, 15.2665,
0.9543

■ 65.6725, 90.0007,
28.1715

■ 4.6913, 9.0066,
0.0000

■ 86.8185, 116.3253,
41.2219

■ 2.1002, 4.7455,
0.0000

■ 112.0765,
147.3393, 57.7846

■ 0.6893, 2.0987,
0.0000

■ 141.8120,
183.4273, 78.2780

■ 0.0000, 0.6639,
0.0000

■ 176.3904,

■ 0.0000, 0.0000,

224.9736, 103.1208

0.0000

216.1769,
272.3625, 132.7314

■ 23.2538, 35.3200,
5.9084

■ 23.2538, 35.3200,
5.9084

■ 22.6733, 35.0289,
5.5662

■ 24.2956, 35.8400,
6.7813

■ 25.5200, 36.4385,
8.3162

■ 26.9478, 37.1252,
10.6134

■ 28.5957, 37.9068,
13.7557

■ 30.4783, 38.7895,
17.8151

■ 32.6089, 39.7784,
22.8560

■ 34.9994, 40.8787,
28.9370

■ 37.6611, 42.0948,
36.1120

■ 40.6045, 43.4311,
44.4313

Harmonies

Analogous

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



32.8821, 35.3200, 3.5941



23.2538, 35.3200, 5.9084



17.6663, 35.3200, 15.6983

Triad

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



23.2538, 35.3200, 5.9084



24.2066, 35.3200, 125.0817



60.7312, 35.3200, 36.5060

Complementary

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



23.2538, 35.3200, 5.9084



10.5832, 4.7170, 41.9497

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.



56.9505, 35.3200, 76.5990



23.2538, 35.3200, 5.9084



34.2687, 35.3200, 142.1585

Square

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



23.2538, 35.3200, 5.9084



18.1221, 35.3200, 82.1730



46.5605, 35.3200, 120.7736



55.9700, 35.3200, 13.8809

Rectangle

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



23.2538, 35.3200, 5.9084



16.1555, 35.3200, 30.1521



46.5605, 35.3200, 120.7736



60.4142, 35.3200, 48.1630

Sweetspot

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



23.2546, 35.3216, 5.9092



60.6078, 72.2572, 46.4646



20.3278, 13.6417, 1.8788



12.7511, 15.4825, 9.1056



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.



23.2546, 35.3216, 5.9092



40.3561, 62.6042, 9.9568



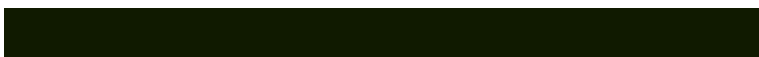
16.5079, 31.8435, 5.5934



8.8981, 9.7526, 9.0660



16.4947, 25.4134, 4.0359



0.5796, 0.8309, 0.1298

Inverse Universe

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



10.5832, 4.7170, 41.9497



17.6561, 7.4602, 75.0047



21.0247, 10.0998, 42.4383



8.3175, 8.3722, 10.6839



7.2919, 3.0949, 30.3500



0.2944, 0.1309, 0.9580

Previews

White Background



This preview shows how the XYZ color 23.2538, 35.3200, 5.9084 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 23.2538, 35.3200, 5.9084 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 23.2538, 35.3200, 5.9084

Background



This preview shows how black text looks on a background with the XYZ color 23.2538, 35.3200, 5.9084.



This preview shows how white text looks on a background with the XYZ color 23.2538, 35.3200,

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

23.2538, 35.3200, 5.9084

Protanopia

31.3932, 34.8449, 5.0711

Deuteranopia

35.4574, 34.6721, 6.4137



Tritanopia

31.6444, 35.3589, 47.2766

Trichromacy



Original Color

23.2538, 35.3200, 5.9084

Protanomaly

27.5628, 34.4493, 5.3115

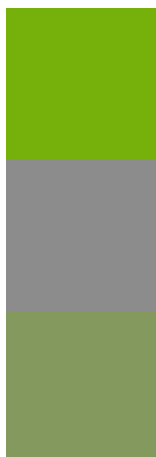
Deuteranomaly

29.5518, 33.8741, 5.9581

Tritanomaly

26.4521, 34.3274, 22.0613

Monochromacy



Original Color

23.2538, 35.3200, 5.9084

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

22.8827, 28.4783, 14.6467

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2538, 35.3200, 5.9084 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, 11)` looks like.

```
.text, #text, p{  
    color:rgb(118, 177, 11)  
}
```

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, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 177, 11) }
```

Border

The CSS property to change the border of an element to XYZ 23.2538, 35.3200, 5.9084 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, 11) }
```


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

```
.border{ border-color:rgb(118, 177, 11) }
```

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, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 177, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 177, 11);  
box-shadow:4px 4px 4px 4px rgb(118, 177,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2538, 35.3200, 5.9084 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, 11) }
```

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

```
.background{ background-color: rgb(118,  
177, 11) }
```

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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