

Converting Colors

XYZ(23.8046, 35.7812, 11.2820)

Have a look what the booklet for
XYZ(23.8046, 35.7812, 11.2820)
contains.

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Color

**XYZ(23.8046, 35.7812,
11.2820)**

Conversions

Conversions Part 1

Format	Color
Hex	71B245
RGB	113, 178, 69
RGB Percent	44%, 70%, 27%
CMY	0.5569, 0.3019, 0.7294
CMYK	0.37, 0.00, 0.61, 0.30
HSL	96°, 44%, 48%
HSV	96°, 61%, 70%
XYZ	23.8046, 35.7812, 11.2820
YIQ	146.1390, -3.7510, -47.6790

Conversions

Conversions Part 2

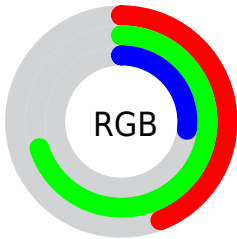
Format	Color
RYB	69, 178, 134
Decimal	7451205
CIELab	66.35, -39.80, 48.05
CIELCh	66, 62.391, 129.634
Yxy	35.7812, 0.3359, 0.5049
Android (android.graphics.Color)	4285641285 (0xFF71B245)
YUV	146.1390, -38.0295, -29.0629
Hunter-Lab	59.8174, -33.6455, 30.6896

Details

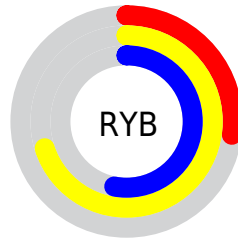
The XYZ color **23.8046, 35.7812, 11.2820** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **19.9972, 12.5400, 43.4880**, and the grayscale version is **27.5317, 28.9655, 31.5435**.

A 20% lighter version of the original color is **49.0225, 68.5509, 28.7371**, and **9.1449, 15.5933, 2.8757** is the 20% darker color. If you saturate the color by 10%, you get **22.0463, 34.9304, 8.7357**, and if you desaturate by 10%, it is **25.8901, 36.7837, 14.7102**.

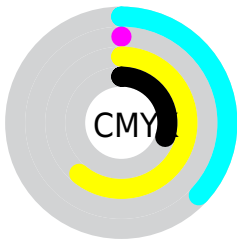
Distribution



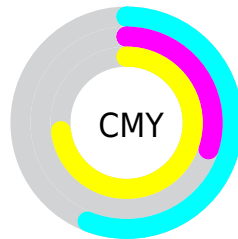
- Red (44%)
- Green (70%)
- Blue (27%)



- Red (27%)
- Yellow (70%)
- Blue (53%)



- Cyan (37%)
- Magenta (0%)
- Yellow (61%)
- Black (30%)





- Cyan (56%)
- Magenta (30%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.8046, 35.7812, 11.2820 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 23.8046, 35.7812, 11.2820 by changing the saturation by 10% instead.


 23.8046, 35.7812,
11.2820


 23.8046, 35.7812,
11.2820

264.2900,
328.0032, 210.3986


 15.3127, 24.2653,
6.1403


 49.1681, 68.6942,
28.8250

 9.1269, 15.5305,
2.8604


 66.7705, 90.8601,
42.0635


 4.8818, 9.1925,
1.0238


 88.1404, 117.3447,
58.8379

 2.2121, 4.8670,
0.0000

 113.6431,
148.5325, 79.5668

 0.7491, 2.1694,
0.0000

 143.6441,
184.8079, 104.6688

 0.0000, 0.7033,
0.0000

178.5086,

 0.0000, 0.0000,

226.5552, 134.5624

0.0000

218.6021,
274.1588, 169.6661

■ 23.8046, 35.7812,
11.2820

■ 23.8046, 35.7812,
11.2820

■ 22.0463, 34.9304,
8.7357

■ 25.8901, 36.7837,
14.7102

■ 20.5919, 34.2178,
6.9879

■ 28.3190, 37.9415,
19.0889

■ 19.4182, 33.6347,
5.9434

■ 31.1091, 39.2633,
24.4829

■ 18.5824, 33.2143,
5.4316

■ 34.2763, 40.7562,
30.9502

■ 37.8352, 42.4265,
38.5450

■ 41.7999, 44.2803,
47.3172

■ 46.1835, 46.3234,
57.3142

■ 50.9986, 48.5613,
68.5806

■ 56.2572, 50.9992,
81.1587

Harmonies

Analogous

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



31.0953, 35.7812, 7.0936



23.8046, 35.7812, 11.2820



19.8153, 35.7812, 23.6800

Triad

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



23.8046, 35.7812, 11.2820



28.1420, 35.7812, 109.6648



54.9295, 35.7812, 30.9814

Complementary

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



23.8046, 35.7812, 11.2820



19.9972, 12.5400, 43.4880

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.



53.7430, 35.7812, 59.7058



23.8046, 35.7812, 11.2820



37.0992, 35.7812, 114.6964

Square

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



23.8046, 35.7812, 11.2820



21.9834, 35.7812, 81.7602



46.7783, 35.7812, 93.4072



49.7734, 35.7812, 14.5239

Rectangle

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



23.8046, 35.7812, 11.2820



19.0437, 35.7812, 38.6323



46.7783, 35.7812, 93.4072



55.2778, 35.7812, 39.2888

Sweetspot

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



23.8055, 35.7827, 11.2828



63.9671, 74.7570, 59.9345



27.7663, 26.5573, 9.2933



13.7753, 16.3760, 12.4445



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.8055, 35.7827, 11.2828



39.1227, 62.9239, 14.7356



19.7539, 33.6590, 12.6797



8.7029, 9.6519, 9.0568



13.3626, 23.7987, 3.8893



0.4873, 0.7833, 0.1255

Inverse Universe

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



19.9972, 12.5400, 43.4880



31.5739, 17.2038, 78.0377



27.6433, 16.5836, 39.2410



8.5116, 8.4723, 10.6930



10.0882, 4.5365, 30.4809



0.3813, 0.1757, 0.9620

Previews

White Background



This preview shows how the XYZ color 23.8046, 35.7812, 11.2820 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 23.8046, 35.7812, 11.2820 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 23.8046, 35.7812, 11.2820

Background



This preview shows how black text looks on a background with the XYZ color 23.8046, 35.7812, 11.2820.



This preview shows how white text looks on a background with the XYZ color 23.8046, 35.7812,

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

23.8046, 35.7812, 11.2820

Protanopia

32.2607, 35.4436, 9.9915

Deuteranopia

35.9844, 35.3100, 11.7564



Tritanopia

31.2629, 35.6785, 48.4189

Trichromacy



Original Color

23.8046, 35.7812, 11.2820

Protanomaly

28.3197, 34.9993, 10.4172

Deuteranomaly

30.0593, 34.5372, 11.3854

Tritanomaly

27.6087, 35.3044, 30.1702

Monochromacy



Original Color

23.8046, 35.7812, 11.2820

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

25.3284, 30.8301, 21.7554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8046, 35.7812, 11.2820 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(113, 178, 69)` looks like.

```
.text, #text, p{  
    color:rgb(113, 178, 69)  
}
```

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(113, 178, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 178, 69) }
```

Border

The CSS property to change the border of an element to XYZ 23.8046, 35.7812, 11.2820 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(113, 178, 69) }
```


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

```
.border{ border-color:rgb(113, 178, 69) }
```

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

Here you see how a box with a 4 pixel rgb(113, 178, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 178, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 178, 69);  
box-shadow:4px 4px 4px 4px rgb(113, 178,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8046, 35.7812, 11.2820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 178, 69) }
```

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

```
.background{ background-color: rgb(113,  
178, 69) }
```

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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