

Converting Colors

XYZ(23.2726, 35.4646, 12.5018)

Have a look what the booklet for
XYZ(23.2726, 35.4646, 12.5018)
contains.

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Color

**XYZ(23.2883, 35.4884,
12.4600)**

Conversions

Conversions Part 1

Format	Color
Hex	6BB24C
RGB	107, 178, 76
RGB Percent	42%, 70%, 30%
CMY	0.5804, 0.3019, 0.7019
CMYK	0.40, 0.00, 0.57, 0.30
HSL	102°, 40%, 50%
HSV	102°, 57%, 70%
XYZ	23.2883, 35.4884, 12.4600
YIQ	145.1430, -9.5740, -46.7740

Conversions

Conversions Part 2

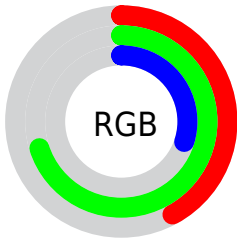
Format	Color
RYB	76, 178, 147
Decimal	7057996
CIELab	66.13, -41.12, 44.50
CIELCh	66, 60.591, 132.741
Yxy	35.4884, 0.3269, 0.4982
Android (android.graphics.Color)	4285248076 (0xFF6BB24C)
YUV	145.1430, -34.0875, -33.4514
Hunter-Lab	59.5721, -34.4710, 29.2995

Details

The XYZ color **23.2883, 35.4884, 12.4600** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **22.6547, 14.5874, 43.7431**, and the grayscale version is **27.1097, 28.5215, 31.0599**.

A 20% lighter version of the original color is **48.2194, 68.0855, 31.0225**, and **8.9147, 15.4632, 3.3790** is the 20% darker color. If you saturate the color by 10%, you get **21.3688, 34.5618, 9.5749**, and if you desaturate by 10%, it is **25.5942, 36.5966, 16.2583**.

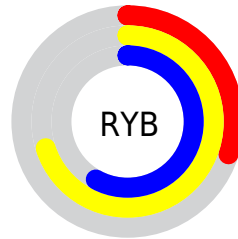
Distribution



Red (42%)

Green (70%)

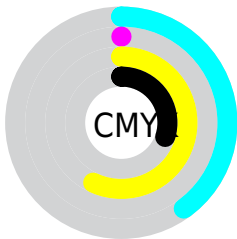
Blue (30%)



Red (30%)

Yellow (70%)

Blue (58%)

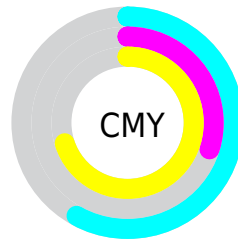


Cyan (40%)

Magenta (0%)

Yellow (57%)

Black (30%)



Cyan (58%)

Magenta (30%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2883, 35.4884, 12.4600 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 23.2883, 35.4884, 12.4600 by changing the saturation by 10% instead.

■ 23.2883, 35.4884,
12.4600

■ 23.2883, 35.4884,
12.4600

261.7101,
326.7189, 218.5122

■ 14.9284, 24.0393,
6.9314

■ 48.3295, 68.2417,
31.0070

■ 8.8551, 15.3628,
3.3415

■ 65.7414, 90.3147,
44.8625

■ 4.7032, 9.0744,
1.2715

■ 86.9015, 116.6978,
62.3308

■ 2.1071, 4.7897,
0.0383

■ 112.1749,
147.7755, 83.8304

■ 0.6931, 2.1244,
0.0000

■ 141.9272,
183.9320, 109.7797

■ 0.0000, 0.6783,
0.0000

176.5235,

■ 0.0000, 0.0000,

225.5518, 140.5975

0.0000

216.3294,
273.0193, 176.7021

■ 23.2883, 35.4884,
12.4600

■ 23.2883, 35.4884,
12.4600

■ 21.3688, 34.5618,
9.5749

■ 25.5942, 36.5966,
16.2583

■ 19.8097, 33.8019,
7.5239

■ 28.3054, 37.8913,
21.0357

■ 18.5852, 33.1982,
6.2182

■ 31.4424, 39.3829,
26.8544

■ 17.6598, 32.7355,
5.5257

■ 35.0234, 41.0796,
33.7712

■ 17.4475, 32.6291,
5.3785

■ 39.0656, 42.9891,
41.8383

■ 43.5854, 45.1187,
51.1051

■ 48.5981, 47.4753,
61.6176

■ 54.1184, 50.0657,
73.4198

■ 60.1604, 52.8960,
86.5532

Harmonies

Analogous

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



30.0531, 35.4884, 7.6424



23.2883, 35.4884, 12.4600



19.7466, 35.4884, 25.7133

Triad

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



23.2883, 35.4884, 12.4600



28.8485, 35.4884, 108.0051



53.6016, 35.4884, 28.7008

Complementary

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



23.2883, 35.4884, 12.4600



22.6547, 14.5874, 43.7431

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.



53.1219, 35.4884, 55.3050



23.2883, 35.4884, 12.4600



37.6966, 35.4884, 110.0255

Square

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



23.2883, 35.4884, 12.4600



22.5423, 35.4884, 83.0297



46.9041, 35.4884, 87.7191



48.1171, 35.4884, 13.8058

Rectangle

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



23.2883, 35.4884, 12.4600



19.2195, 35.4884, 41.0621



46.9041, 35.4884, 87.7191



54.1573, 35.4884, 36.3167

Sweetspot

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



23.2892, 35.4899, 12.4608



63.5157, 74.4947, 61.2506



29.8988, 30.4537, 11.1403



13.7729, 16.3628, 12.9845



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.



23.2892, 35.4899, 12.4608



37.8665, 62.2440, 16.1384



20.9539, 34.1997, 16.2527



8.6238, 9.6111, 9.0531



12.5404, 23.3749, 3.8509



0.4554, 0.7668, 0.1240

Inverse Universe

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



22.6547, 14.5874, 43.7431



36.5078, 20.5709, 78.4276



27.2300, 17.1485, 34.8140



8.5937, 8.5146, 10.6969



11.7538, 5.3951, 30.5589



0.4257, 0.1986, 0.9641

Previews

White Background



This preview shows how the XYZ color 23.2883, 35.4884, 12.4600 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 23.2883, 35.4884, 12.4600 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 23.2883, 35.4884, 12.4600

Background



This preview shows how black text looks on a background with the XYZ color 23.2883, 35.4884, 12.4600.



This preview shows how white text looks on a background with the XYZ color 23.2883, 35.4884,

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

23.2883, 35.4884, 12.4600

Protanopia

32.0364, 35.0488, 10.8709

Deuteranopia

35.5545, 34.8168, 13.0300



Tritanopia

30.6167, 35.3336, 48.9225

Trichromacy



Original Color

23.2883, 35.4884, 12.4600

Protanomaly

27.9373, 34.7807, 11.3718

Deuteranomaly

29.5027, 33.9614, 12.5897

Tritanomaly

26.9920, 34.9605, 31.3120

Monochromacy



Original Color

23.2883, 35.4884, 12.4600

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

24.8072, 30.2953, 22.3094

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2883, 35.4884, 12.4600 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(107, 178, 76)` looks like.

```
.text, #text, p{  
    color:rgb(107, 178, 76)  
}
```

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(107, 178, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 178, 76) }
```

Border

The CSS property to change the border of an element to XYZ 23.2883, 35.4884, 12.4600 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(107, 178, 76) }
```


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

```
.border{ border-color:rgb(107, 178, 76) }
```

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

Here you see how a box with a 4 pixel rgb(107, 178, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 178, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 178, 76);  
box-shadow:4px 4px 4px 4px rgb(107, 178,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2883, 35.4884, 12.4600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 178, 76) }
```

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

```
.background{ background-color: rgb(107,  
178, 76) }
```

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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