

Converting Colors

XYZ(13.9146, 23.7924, 11.4319)

Have a look what the booklet for
XYZ(13.9146, 23.7924, 11.4319)
contains.

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Color

**XYZ(13.8485, 23.6400,
11.4225)**

Conversions

Conversions Part 1

Format	Color
Hex	2F9850
RGB	47, 152, 80
RGB Percent	18%, 60%, 31%
CMY	0.8157, 0.4039, 0.6863
CMYK	0.69, 0.00, 0.47, 0.40
HSL	139°, 53%, 39%
HSV	139°, 69%, 60%
XYZ	13.8485, 23.6400, 11.4225
YIQ	112.3970, -39.4680, -44.6520

Conversions

Conversions Part 2

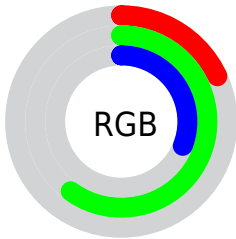
Format	Color
RYB	47, 127, 152
Decimal	3119184
CIELab	55.73, -46.06, 29.34
CIElCh	56, 54.610, 147.504
Yxy	23.6400, 0.2831, 0.4833
Android (android.graphics.Color)	4281309264 (0xFF2F9850)
YUV	112.3970, -15.9717, -57.3532
Hunter-Lab	48.6210, -34.2454, 20.1057

Details

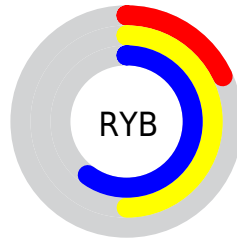
The XYZ color **13.8485, 23.6400, 11.4225** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **17.2959, 10.0408, 18.4800**, and the grayscale version is **15.5722, 16.3832, 17.8413**.

A 20% lighter version of the original color is **32.2859, 49.3015, 28.9336**, and **4.8317, 9.2241, 2.9646** is the 20% darker color. If you saturate the color by 10%, you get **12.9104, 23.1982, 9.5222**, and if you desaturate by 10%, it is **15.0916, 24.2335, 13.6501**.

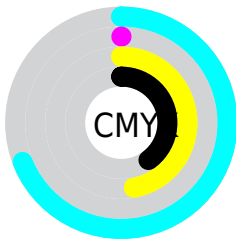
Distribution



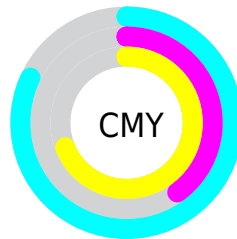
- Red (18%)
- Green (60%)
- Blue (31%)



- Red (18%)
- Yellow (50%)
- Blue (60%)



- Cyan (69%)
- Magenta (0%)
- Yellow (47%)
- Black (40%)





- Cyan (82%)
- Magenta (40%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.8485, 23.6400, 11.4225 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 13.8485, 23.6400, 11.4225 by changing the saturation by 10% instead.


 13.8485, 23.6400,
11.4225


 13.8485, 23.6400,
11.4225


209.8158,
270.9954, 211.3841


 8.0964, 15.0668,
6.2340


 32.4085, 49.4421,
29.0873


 4.2090, 8.8663,
2.9168


 45.9471, 67.4398,
42.4008


 1.8210, 4.6541,
1.0523

 62.8118, 89.3477,
59.2597

 0.5303, 2.0458,
0.0000

 83.3681, 115.5503,
80.0825

 0.0000, 0.6339,
0.0000

 107.9813,
146.4320, 105.2878

 0.0000, 0.0000,
0.0000

 137.0167,

182.3771, 135.2941

170.8398,
223.7701, 170.5200

■ 13.8485, 23.6400,
11.4225

■ 13.8485, 23.6400,
11.4225

■ 12.9104, 23.1982,
9.5222

■ 15.0916, 24.2335,
13.6501

■ 12.2463, 22.8903,
7.9317

■ 16.6633, 24.9885,
16.2179

■ 11.7950, 22.6859,
6.6334

■ 18.5869, 25.9175,
19.1403

■ 11.7575, 22.6689,
6.5276

■ 20.8830, 27.0307,
22.4300

■ 23.5704, 28.3377,
26.0993

■ 26.6667, 29.8473,
30.1600

■ 30.1886, 31.5677,
34.6232

■ 34.1515, 33.5069,
39.4996

■ 38.5704, 35.6721,
44.7996

Harmonies

Analogous

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



17.4069, 23.6400, 5.7941



13.8485, 23.6400, 11.4225



12.5494, 23.6400, 24.2831

Triad

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



13.8485, 23.6400, 11.4225



21.9545, 23.6400, 77.0478



34.7712, 23.6400, 12.9855

Complementary

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



13.8485, 23.6400, 11.4225



17.2959, 10.0408, 18.4800

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.



36.5872, 23.6400, 27.2539



13.8485, 23.6400, 11.4225



28.4284, 23.6400, 69.3798

Square

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



13.8485, 23.6400, 11.4225



16.6601, 23.6400, 66.5428



34.0820, 23.6400, 48.7501



29.4922, 23.6400, 6.3613

Rectangle

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



13.8485, 23.6400, 11.4225



12.9192, 23.6400, 37.4186



34.0820, 23.6400, 48.7501



35.8449, 23.6400, 16.7857

Sweetspot

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



13.8491, 23.6410, 11.4230



40.4338, 49.4480, 44.4961



19.5574, 26.6917, 6.8107



8.9124, 11.1038, 9.7365



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



13.8491, 23.6410, 11.4230



22.0822, 40.6171, 15.1870



16.4980, 24.7005, 25.3718



6.2082, 6.9560, 7.0195



9.8708, 19.0118, 5.5400



0.1627, 0.2903, 0.1625

Inverse Universe

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



17.2959, 10.0408, 18.4800



28.5315, 14.9400, 28.2209



15.0094, 9.1262, 6.4396



6.3785, 6.2906, 7.3735



12.9766, 6.4449, 11.6678



0.2102, 0.1028, 0.2598

Previews

White Background



This preview shows how the XYZ color 13.8485, 23.6400, 11.4225 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 13.8485, 23.6400, 11.4225 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 13.8485, 23.6400, 11.4225

Background



This preview shows how black text looks on a background with the XYZ color 13.8485, 23.6400, 11.4225.



This preview shows how white text looks on a background with the XYZ color 13.8485, 23.6400,

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

13.8485, 23.6400, 11.4225

Protanopia

21.4442, 23.3671, 9.6834

Deuteranopia

23.5672, 23.2216, 12.0442



Tritanopia

18.5621, 23.6908, 34.6048

Trichromacy



Original Color

13.8485, 23.6400, 11.4225



Protanomaly

17.1130, 22.5930, 10.2964



Deuteranomaly

17.8756, 22.1000, 11.7111



Tritanomaly

16.3799, 23.4827, 24.0914

Monochromacy



Original Color

13.8485, 23.6400, 11.4225



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

13.9141, 18.1736, 14.8311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8485, 23.6400, 11.4225 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(47, 152, 80)` looks like.

```
.text, #text, p{  
    color:rgb(47, 152, 80)  
}
```

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(47, 152, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 152, 80) }
```

Border

The CSS property to change the border of an element to XYZ 13.8485, 23.6400, 11.4225 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(47, 152, 80) }
```


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

```
.border{ border-color:rgb(47, 152, 80) }
```

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

Here you see how a box with a 4 pixel rgb(47, 152, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 152, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 152, 80);  
box-shadow:4px 4px 4px 4px rgb(47, 152,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8485, 23.6400, 11.4225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 152, 80) }
```

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

```
.background{ background-color: rgb(47, 152,  
80) }
```

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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