

Converting Colors

XYZ(13.1298, 23.4778, 11.9712)

Have a look what the booklet for
XYZ(13.1298, 23.4778, 11.9712)
contains.

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Color

**XYZ(13.1496, 23.5086,
12.0282)**

Conversions

Conversions Part 1

Format	Color
Hex	0F9953
RGB	15, 153, 83
RGB Percent	6%, 60%, 33%
CMY	0.9412, 0.4000, 0.6745
CMYK	0.90, 0.00, 0.46, 0.40
HSL	150°, 82%, 33%
HSV	150°, 90%, 60%
XYZ	13.1496, 23.5086, 12.0282
YIQ	103.7580, -59.7780, -51.0260

Conversions

Conversions Part 2

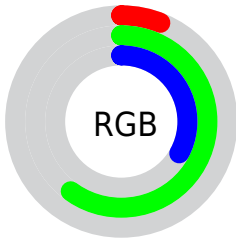
Format	Color
RYB	15, 107, 153
Decimal	1022291
CIELab	55.59, -49.99, 27.47
CIElCh	56, 57.039, 151.209
Yxy	23.5086, 0.2701, 0.4829
Android (android.graphics.Color)	4279212371 (0xFF0F9953)
YUV	103.7580, -10.2337, -77.8408
Hunter-Lab	48.4857, -36.4397, 19.2315

Details

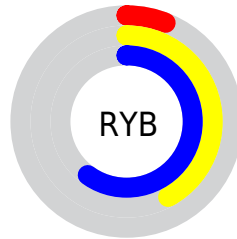
The XYZ color **13.1496, 23.5086, 12.0282** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **14.9482, 7.7704, 9.3076**, and the grayscale version is **13.1321, 13.8160, 15.0456**.

A 20% lighter version of the original color is **31.0060, 48.9789, 30.0100**, and **4.8756, 9.2417, 3.1959** is the 20% darker color. If you saturate the color by 10%, you get **12.6751, 23.2967, 10.5555**, and if you desaturate by 10%, it is **13.8142, 23.8153, 13.7128**.

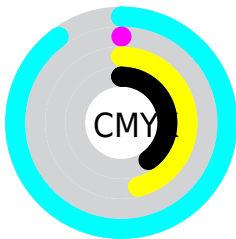
Distribution



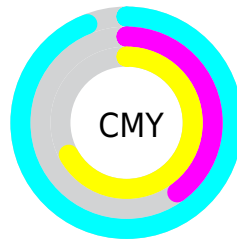
- Red (6%)
- Green (60%)
- Blue (33%)



- Red (6%)
- Yellow (42%)
- Blue (60%)



- Cyan (90%)
- Magenta (0%)
- Yellow (46%)
- Black (40%)





- Cyan (94%)
- Magenta (40%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.1496, 23.5086, 12.0282 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 13.1496, 23.5086, 12.0282 by changing the saturation by 10% instead.


 13.1496, 23.5086,
12.0282


 13.1496, 23.5086,
12.0282


205.4925,
270.3266, 215.5764


 7.6094, 14.9695,
6.6401


 31.1713, 49.2271,
30.2116


 3.8957, 8.7980,
3.1631


 44.3835, 67.1753,
43.8440


 1.6433, 4.6096,
1.1785


 60.8837, 89.0287,
61.0616

 0.4204, 2.0201,
0.0000

 81.0373, 115.1716,
82.2830

 0.0000, 0.6191,
0.0000

 105.2096,
145.9884, 107.9266

 0.0000, 0.0000,
0.0000

 133.7660,

181.8636, 138.4110

167.0718,
223.1816, 174.1548

■ 13.1496, 23.5086,
12.0282

■ 13.1496, 23.5086,
12.0282

■ 12.6751, 23.2967,
10.5555

■ 13.8142, 23.8153,
13.7128

■ 14.7302, 24.2469,
15.5893

■ 15.9268, 24.8191,
17.6649

■ 17.4286, 25.5443,
19.9456

■ 19.2572, 26.4338,
22.4374

■ 21.4324, 27.4974,
25.1458

■ 23.9721, 28.7445,
28.0763

■ 26.8931, 30.1834,
31.2338

■ 30.2112, 31.8224,
34.6235

Harmonies

Analogous

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



16.5193, 23.5086, 5.6620



13.1496, 23.5086, 12.0282



12.1049, 23.5086, 26.3530

Triad

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



13.1496, 23.5086, 12.0282



22.6067, 23.5086, 79.9879



34.7050, 23.5086, 11.2611

Complementary

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



13.1496, 23.5086, 12.0282



14.9482, 7.7704, 9.3076

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.



37.1619, 23.5086, 24.8553



13.1496, 23.5086, 12.0282



29.3990, 23.5086, 69.5214

Square

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



13.1496, 23.5086, 12.0282



16.8924, 23.5086, 70.9893



35.0568, 23.5086, 46.7723



28.8585, 23.5086, 5.3925

Rectangle

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



13.1496, 23.5086, 12.0282



12.6693, 23.5086, 40.7001



35.0568, 23.5086, 46.7723



36.0000, 23.5086, 14.7859

Sweetspot

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



13.1502, 23.5095, 12.0287



39.5259, 49.8040, 46.3879



15.3438, 24.8108, 4.4324



8.4357, 10.8540, 9.8963



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.



13.1502, 23.5095, 12.0287



22.6053, 41.6828, 18.4108



17.1506, 25.1097, 33.0945



6.2527, 6.9738, 7.2539



10.4921, 19.2603, 8.8122



0.1752, 0.2953, 0.2282

Inverse Universe

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



14.9482, 7.7704, 9.3076



25.8705, 13.0660, 13.4433



13.4119, 7.1558, 1.2173



6.3330, 6.2723, 7.1335



11.9993, 6.0540, 6.5215



0.1978, 0.0979, 0.1942

Previews

White Background



This preview shows how the XYZ color 13.1496, 23.5086, 12.0282 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 13.1496, 23.5086, 12.0282 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 13.1496, 23.5086, 12.0282

Background



This preview shows how black text looks on a background with the XYZ color 13.1496, 23.5086, 12.0282.



This preview shows how white text looks on a background with the XYZ color 13.1496, 23.5086,

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

13.1496, 23.5086, 12.0282

Protanopia

21.1983, 23.0303, 9.9846

Deuteranopia

23.4931, 23.1691, 12.6851



Tritanopia

17.9298, 23.5809, 35.0591

Trichromacy



Original Color

13.1496, 23.5086, 12.0282



Protanomaly

15.7902, 21.9029, 10.6032



Deuteranomaly

16.4683, 21.3606, 12.2719



Tritanomaly

15.5486, 23.2784, 24.4426

Monochromacy



Original Color

13.1496, 23.5086, 12.0282



Achromatopsia

13.1579, 13.8432, 15.0752



Achromatomaly

11.7433, 16.1413, 13.5630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1496, 23.5086, 12.0282 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(15, 153, 83)` looks like.

```
.text, #text, p{  
    color:rgb(15, 153, 83)  
}
```

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(15, 153, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 153, 83) }
```

Border

The CSS property to change the border of an element to XYZ 13.1496, 23.5086, 12.0282 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(15, 153, 83) }
```


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

```
.border{ border-color:rgb(15, 153, 83) }
```

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

Here you see how a box with a 4 pixel rgb(15, 153, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 153, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 153, 83);  
box-shadow:4px 4px 4px 4px rgb(15, 153,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1496, 23.5086, 12.0282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 153, 83) }
```

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

```
.background{ background-color: rgb(15, 153,  
83) }
```

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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