

Converting Colors

XYZ(13.8467, 24.7315, 11.0634)

Have a look what the booklet for
XYZ(13.8467, 24.7315, 11.0634)
contains.

XYZ(13.7931, 24.6041, 11.0433)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.7931, 24.6041,
11.0433)**

Conversions

Conversions Part 1

Format	Color
Hex	1F9C4D
RGB	31, 156, 77
RGB Percent	12%, 61%, 30%
CMY	0.8784, 0.3882, 0.6980
CMYK	0.80, 0.00, 0.51, 0.39
HSL	142°, 67%, 37%
HSV	142°, 80%, 61%
XYZ	13.7931, 24.6041, 11.0433
YIQ	109.6190, -49.1410, -51.0690

Conversions

Conversions Part 2

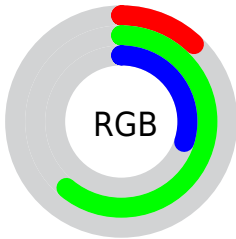
Format	Color
R_{YB}	31, 122, 156
Decimal	2071629
CIE _{Lab}	56.69, -50.56, 32.05
CIE _{LCh}	57, 59.862, 147.626
Yxy	24.6041, 0.2790, 0.4977
Android (android.graphics.Color)	4280261709 (0xFF1F9C4D)
YUV	109.6190, -16.0812, -68.9489
Hunter-Lab	49.6025, -37.1685, 21.5217

Details

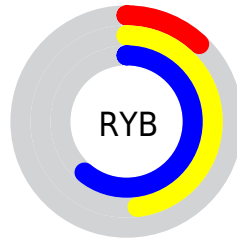
The XYZ color **13.7931, 24.6041, 11.0433** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **17.0155, 9.1741, 15.6264**, and the grayscale version is **14.7671, 15.5361, 16.9188**.

A 20% lighter version of the original color is **32.4113, 51.2159, 28.2561**, and **5.0720, 9.7892, 2.7846** is the 20% darker color. If you saturate the color by 10%, you get **13.1100, 24.2898, 9.3301**, and if you desaturate by 10%, it is **14.7576, 25.0587, 13.0462**.

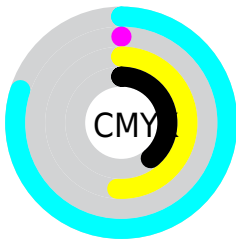
Distribution



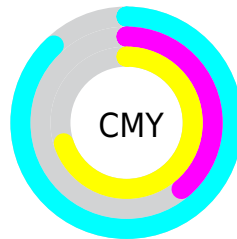
- Red (12%)
- Green (61%)
- Blue (30%)



- Red (12%)
- Yellow (48%)
- Blue (61%)



- Cyan (80%)
- Magenta (0%)
- Yellow (51%)
- Black (39%)





- Cyan (88%)
- Magenta (39%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.7931, 24.6041, 11.0433 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 13.7931, 24.6041, 11.0433 by changing the saturation by 10% instead.


 13.7931, 24.6041,
11.0433


 13.7931, 24.6041,
11.0433


209.4763,
275.8605, 208.7125


 8.0576, 15.7823,
5.9814

 32.3108, 51.0142,
28.3781


 4.1840, 9.3703,
2.7652


 45.8238, 69.3714,
41.4881


 1.8067, 4.9835,
0.9760

 62.6599, 91.6758,
58.1179

 0.5217, 2.2376,
0.0000

 83.1847, 118.3119,
78.6860

 0.0000, 0.7404,
0.0000

 107.7633,
149.6640, 103.6109

 0.0000, 0.0000,
0.0000

 136.7612,

186.1165, 133.3113

170.5438,
228.0539, 168.2056

■ 13.7931, 24.6041,
11.0433

■ 13.7931, 24.6041,
11.0433

■ 13.1100, 24.2898,
9.3301

■ 14.7576, 25.0587,
13.0462

■ 12.6377, 24.0774,
7.9060

■ 16.0329, 25.6665,
15.3503

■ 17.6465, 26.4420,
17.9682

■ 19.6220, 27.3974,
20.9114

■ 21.9812, 28.5434,
24.1909

■ 24.7438, 29.8902,
27.8168

■ 27.9282, 31.4469,
31.7992

■ 31.5516, 33.2224,
36.1475

■ 35.6305, 35.2248,
40.8709

Harmonies

Analogous

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



17.7044, 24.6041, 5.1408



13.7931, 24.6041, 11.0433



12.3866, 24.6041, 25.2305

Triad

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



13.7931, 24.6041, 11.0433



22.8345, 24.6041, 86.3637



37.3856, 24.6041, 12.6405

Complementary

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



13.7931, 24.6041, 11.0433



17.0155, 9.1741, 15.6264

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.



39.4978, 24.6041, 28.4119



13.7931, 24.6041, 11.0433



30.1679, 24.6041, 77.2275

Square

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



13.7931, 24.6041, 11.0433



16.9173, 24.6041, 74.0505



36.6315, 24.6041, 53.0508



31.3222, 24.6041, 5.6883

Rectangle

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



13.7931, 24.6041, 11.0433



12.7954, 24.6041, 40.1760



36.6315, 24.6041, 53.0508



38.6281, 24.6041, 16.7658

Sweetspot

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



13.7937, 24.6051, 11.0439



42.6665, 53.1776, 47.5798



18.5878, 27.2027, 5.5674



9.0284, 11.5259, 9.9945



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



13.7937, 24.6051, 11.0439



23.1515, 43.8210, 14.8721



17.1389, 25.9432, 28.6593



6.6466, 7.4394, 7.5738



10.4248, 19.8379, 6.5939



0.2059, 0.3625, 0.2208

Inverse Universe

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



17.0155, 9.1741, 15.6264



29.1505, 14.6785, 23.1016



14.7276, 8.2589, 3.5784



6.8005, 6.7131, 7.8005



13.1492, 6.5642, 10.3025



0.2549, 0.1253, 0.2884

Previews

White Background



This preview shows how the XYZ color 13.7931, 24.6041, 11.0433 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 13.7931, 24.6041, 11.0433 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 13.7931, 24.6041, 11.0433

Background



This preview shows how black text looks on a background with the XYZ color 13.7931, 24.6041, 11.0433.



This preview shows how white text looks on a background with the XYZ color 13.7931, 24.6041,

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

13.7931, 24.6041, 11.0433

Protanopia

22.1639, 24.1597, 9.2895

Deuteranopia

24.5547, 24.1271, 11.7503



Tritanopia

18.9385, 24.5289, 36.5373

Trichromacy



Original Color

13.7931, 24.6041, 11.0433



Protanomaly

16.9689, 23.1901, 9.8851



Deuteranomaly

17.7881, 22.7042, 11.2294



Tritanomaly

16.3370, 24.1546, 24.5701

Monochromacy



Original Color

13.7931, 24.6041, 11.0433



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

13.1873, 17.8099, 14.2979

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7931, 24.6041, 11.0433 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(31, 156, 77)` looks like.

```
.text, #text, p{  
    color:rgb(31, 156, 77)  
}
```

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(31, 156, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 156, 77) }
```

Border

The CSS property to change the border of an element to XYZ 13.7931, 24.6041, 11.0433 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(31, 156, 77) }
```


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

```
.border{ border-color:rgb(31, 156, 77) }
```

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

Here you see how a box with a 4 pixel rgb(31, 156, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 156, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 156, 77);  
box-shadow:4px 4px 4px 4px rgb(31, 156,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7931, 24.6041, 11.0433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 156, 77) }
```

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

```
.background{ background-color: rgb(31, 156,  
77) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor