

Converting Colors

XYZ(29.7445, 54.8185, 13.0986)

Have a look what the booklet for
XYZ(29.7445, 54.8185, 13.0986)
contains.

XYZ(29.7598, 54.8204, 13.1506)	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(29.7598, 54.8204,
13.1506)**

Conversions

Conversions Part 1

Format	Color
Hex	43E03B
RGB	67, 224, 59
RGB Percent	26%, 88%, 23%
CMY	0.7373, 0.1216, 0.7686
CMYK	0.70, 0.00, 0.74, 0.12
HSL	117°, 73%, 55%
HSV	117°, 74%, 88%
XYZ	29.7598, 54.8204, 13.1506
YIQ	158.2470, -40.6070, -84.5990

Conversions

Conversions Part 2

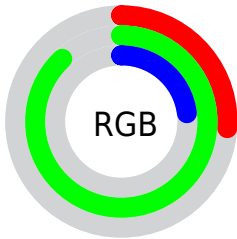
Format	Color
RYB	59, 224, 216
Decimal	4448315
CIELab	78.94, -69.69, 64.82
CIELCh	79, 95.180, 137.073
Yxy	54.8204, 0.3045, 0.5609
Android (android.graphics.Color)	4282638395 (0xFF43E03B)
YUV	158.2470, -48.9288, -80.0236
Hunter-Lab	74.0408, -57.8255, 41.2979

Details

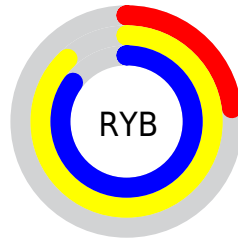
The XYZ color **29.7598, 54.8204, 13.1506** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **43.3416, 23.1113, 72.7006**, and the grayscale version is **32.8415, 34.5518, 37.6269**.

A 20% lighter version of the original color is **49.0657, 78.0152, 28.9954**, and **13.8187, 27.6374, 4.6062** is the 20% darker color. If you saturate the color by 10%, you get **28.0971, 54.0182, 10.6637**, and if you desaturate by 10%, it is **32.2117, 56.0039, 16.9769**.

Distribution



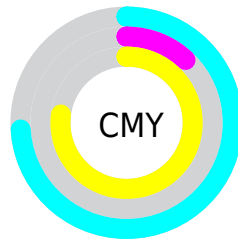
- Red (26%)
- Green (88%)
- Blue (23%)



- Red (23%)
- Yellow (88%)
- Blue (85%)



- Cyan (70%)
- Magenta (0%)
- Yellow (74%)
- Black (12%)





- Cyan (74%)
- Magenta (12%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.7598, 54.8204, 13.1506 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 29.7598, 54.8204, 13.1506 by changing the saturation by 10% instead.


 29.7598, 54.8204,
13.1506


 29.7598, 54.8204,
13.1506


292.7132,
405.2308, 223.1222


 19.8035, 39.2579,
7.4004


 58.6713, 97.2778,
32.2692


 12.3597, 26.9605,
3.6315


 78.3573, 124.9415,
46.4747


 7.0631, 17.5435,
1.4255


 102.0172,
157.4077, 64.3357

 3.5483, 10.6228,
0.1615

 130.0164,
195.0609, 86.2708

 1.4499, 5.8138,
0.0000

 162.7202,
238.2854, 112.6984

 0.2914, 2.7322,
0.0000

200.4941,

 0.0000, 0.9936,

287.4656, 144.0371

0.0000

243.7033,
342.9859, 180.7056

■ 0.0000, 0.0000,
0.0000

■ 29.7598, 54.8204,
13.1506

■ 29.7598, 54.8204,
13.1506

■ 28.0971, 54.0182,
10.6637

■ 32.2117, 56.0039,
16.9769

■ 27.1230, 53.5446,
9.3284


■ 35.5302, 57.6005,
22.2908


■ 26.7928, 53.3837,
8.8920


■ 39.7877, 59.6462,
29.2249


■ 45.0481, 62.1716,
37.8961

■ 51.3695, 65.2042,
48.4106

 58.8057, 68.7697,
60.8662

 67.4068, 72.8920,
75.3535

 77.2198, 77.5934,
91.9578

 85.9468, 81.7936,
105.8656

Harmonies

Analogous

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



42.1434, 54.8204, 5.2295



29.7598, 54.8204, 13.1506



24.0951, 54.8204, 39.2943

Triad

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



29.7598, 54.8204, 13.1506



44.3872, 54.8204, 229.5606



95.1614, 54.8204, 34.0420

Complementary

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



29.7598, 54.8204, 13.1506



43.3416, 23.1113, 72.7006

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.



96.1820, 54.8204, 86.1466



29.7598, 54.8204, 13.1506



63.5247, 54.8204, 224.8087

Square

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



29.7598, 54.8204, 13.1506



31.0584, 54.8204, 173.0026



83.5184, 54.8204, 162.4006



80.9973, 54.8204, 11.3020

Rectangle

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



29.7598, 54.8204, 13.1506



23.7115, 54.8204, 73.4507



83.5184, 54.8204, 162.4006



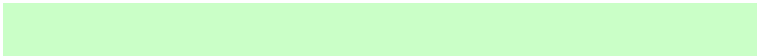
97.1556, 54.8204, 47.7653

Sweetspot

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



29.7611, 54.8227, 13.1518



70.3110, 88.1422, 67.2793



56.0243, 65.1497, 13.7609



14.5095, 18.6071, 13.4990



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



29.7611, 54.8227, 13.1518



36.9354, 72.0980, 13.2385



32.7121, 55.9441, 31.3571



13.5899, 15.3687, 14.5570



15.6222, 31.0861, 5.1768



1.1048, 2.1660, 0.3599

Inverse Universe

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



43.3416, 23.1113, 72.7006



55.8827, 27.4354, 96.9580



37.7914, 21.1707, 30.8455



14.2260, 13.9000, 17.3209



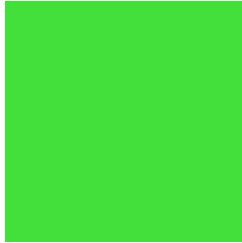
23.8581, 11.3946, 41.9903



1.6742, 0.8004, 2.9115

Previews

White Background



This preview shows how the XYZ color 29.7598, 54.8204, 13.1506 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 29.7598, 54.8204, 13.1506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

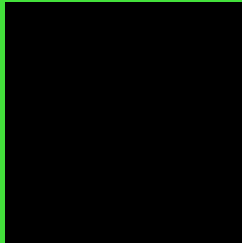
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7598, 54.8204, 13.1506

Background



This preview shows how black text looks on a background with the XYZ color 29.7598, 54.8204, 13.1506.



This preview shows how white text looks on a background with the XYZ color 29.7598, 54.8204,

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

29.7598, 54.8204, 13.1506

Protanopia

48.5046, 53.5743, 10.9164

Deuteranopia

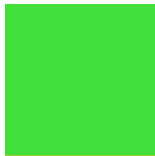
54.6861, 53.4898, 14.0989



Tritanopia

43.0835, 54.4714, 80.1948

Trichromacy



Original Color

29.7598, 54.8204, 13.1506



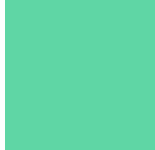
Protanomaly

37.3975, 51.6104, 11.4808



Deuteranomaly

39.8577, 50.7415, 13.3236



Tritanomaly

35.5574, 53.2426, 44.0001

Monochromacy



Original Color

29.7598, 54.8204, 13.1506



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

28.6982, 39.2210, 24.4702

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7598, 54.8204, 13.1506 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(67, 224, 59)` looks like.

```
.text, #text, p{  
    color:rgb(67, 224, 59)  
}
```

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(67, 224, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 224, 59) }
```

Border

The CSS property to change the border of an element to XYZ 29.7598, 54.8204, 13.1506 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(67, 224, 59) }
```


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

```
.border{ border-color:rgb(67, 224, 59) }
```

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

Here you see how a box with a 4 pixel rgb(67, 224, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 224, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 224, 59);  
box-shadow:4px 4px 4px 4px rgb(67, 224,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7598, 54.8204, 13.1506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 224, 59) }
```

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

```
.background{ background-color: rgb(67, 224,  
59) }
```

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