

Converting Colors

XYZ(29.0972, 29.1548, 13.6453)

Have a look what the booklet for
XYZ(29.0972, 29.1548, 13.6453)
contains.

XYZ(29.1554, 29.1812, 13.5471)	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(29.1554, 29.1812,
13.5471)**

Conversions

Conversions Part 1

Format	Color
Hex	AF8E59
RGB	175, 142, 89
RGB Percent	69%, 56%, 35%
CMY	0.3137, 0.4431, 0.6510
CMYK	0.00, 0.19, 0.49, 0.31
HSL	37°, 35%, 52%
HSV	37°, 49%, 69%
XYZ	29.1554, 29.1812, 13.5471
YIQ	145.8250, 36.6810, -9.4870

Conversions

Conversions Part 2

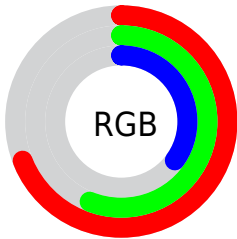
Format	Color
R_{YB}	143, 175, 89
Decimal	11505241
CIE Lab	60.94, 5.56, 32.81
CIE LCh	61, 33.281, 80.376
Yxy	29.1812, 0.4056, 0.4060
Android (android.graphics.Color)	4289695321 (0xFFAF8E59)
YUV	145.8250, -28.0147, 25.5865
Hunter-Lab	54.0196, 1.8054, 22.9449

Details

The XYZ color **29.1554, 29.1812, 13.5471** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **18.8171, 19.1375, 43.2596**, and the grayscale version is **27.3511, 28.7755, 31.3365**.

A 20% lighter version of the original color is **57.7523, 58.5291, 33.0643**, and **11.9908, 11.8145, 3.8389** is the 20% darker color. If you saturate the color by 10%, you get **27.5372, 26.9844, 9.8031**, and if you desaturate by 10%, it is **31.0099, 31.5711, 18.2323**.

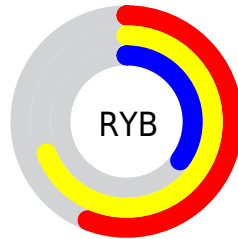
Distribution



Red (69%)

Green (56%)

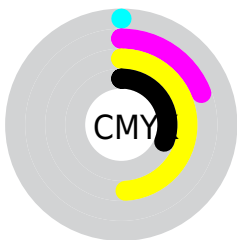
Blue (35%)



Red (56%)

Yellow (69%)

Blue (35%)

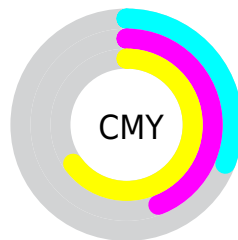


Cyan (0%)

Magenta (19%)

Yellow (49%)

Black (31%)



Cyan (31%)

Magenta (44%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1554, 29.1812, 13.5471 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 29.1554, 29.1812, 13.5471 by changing the saturation by 10% instead.

■ 29.1554, 29.1812,
13.5471

■ 29.1554, 29.1812,
13.5471

289.9285,
298.0690, 225.7244

■ 19.3433, 19.2179,
7.6712

■ 57.7197, 58.3649,
32.9887

■ 12.0241, 11.8279,
3.8006

■ 77.2027, 78.3540,
47.3915

■ 6.8324, 6.6266,
1.5166

■ 100.6399,
102.4540, 65.4737

■ 3.4029, 3.2297,
0.2302

■ 128.3969,
131.0491, 87.6538

■ 1.3702, 1.2528,
0.0000

■ 160.8388,
164.5237, 114.3504

■ 0.2349, 0.1042,
0.0000

198.3312,

■ 0.0000, 0.0000,

203.2623, 145.9820

0.0000

241.2393,
247.6493, 182.9672

■ 29.1554, 29.1812,
13.5471

■ 29.1554, 29.1812,
13.5471

■ 27.5372, 26.9844,
9.8031

■ 31.0099, 31.5711,
18.2323

■ 26.1396, 24.9693,
6.9321

■ 33.1110, 34.1564,
23.9171

■ 24.9479, 23.1295,
4.8591

■ 35.4707, 36.9447,
30.6570

■ 23.9443, 21.4560,
3.4956

■ 38.0996, 39.9418,
38.5031

■ 23.0957, 19.9339,
2.6735

■ 41.0078, 43.1532,
47.5031

■ 23.0266, 19.8088,
2.6099

■ 44.2045, 46.5841,
57.7018

■ 47.6987, 50.2396,
69.1416

■ 51.4990, 54.1245,
81.8628

■ 55.6133, 58.2435,
95.9041

Harmonies

Analogous

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



33.4091, 29.1812, 16.6840



29.1554, 29.1812, 13.5471



24.9290, 29.1812, 14.2148

Triad

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



29.1554, 29.1812, 13.5471



20.6216, 29.1812, 40.8481



34.6773, 29.1812, 49.5946

Complementary

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



29.1554, 29.1812, 13.5471



18.8171, 19.1375, 43.2596

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.



30.7459, 29.1812, 59.8763



29.1554, 29.1812, 13.5471



22.7442, 29.1812, 53.9814

Square

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



29.1554, 29.1812, 13.5471



20.2910, 29.1812, 27.9407



26.3632, 29.1812, 61.6632



36.8097, 29.1812, 35.9414

Rectangle

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



29.1554, 29.1812, 13.5471



22.6707, 29.1812, 16.8156



26.3632, 29.1812, 61.6632



33.5042, 29.1812, 53.6948

Sweetspot

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



29.1561, 29.1826, 13.5477



65.2965, 68.2057, 60.1215



24.8520, 17.6991, 20.9772



14.3015, 14.9167, 12.7375



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



29.1561, 29.1826, 13.5477



49.0830, 47.9984, 17.0451



32.9431, 39.5316, 15.3456



8.4007, 8.8061, 8.4704



16.5510, 14.3075, 1.8893



0.5112, 0.4995, 0.0695

Inverse Universe

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



18.8171, 19.1375, 43.2596



28.4150, 27.9482, 76.5338



16.3045, 12.8148, 42.1716



7.8214, 8.2422, 10.1314



7.0405, 5.2149, 29.6800



0.2497, 0.2528, 0.8436

Previews

White Background



This preview shows how the XYZ color 29.1554, 29.1812, 13.5471 looks on a white background.

Color Contrast Check

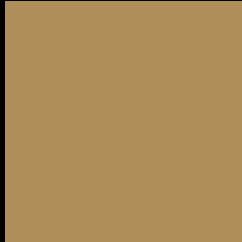
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1554, 29.1812, 13.5471 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 29.1554, 29.1812, 13.5471

Background



This preview shows how black text looks on a background with the XYZ color 29.1554, 29.1812, 13.5471.



This preview shows how white text looks on a background with the XYZ color 29.1554, 29.1812,

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

29.1554, 29.1812, 13.5471

Protanopia

27.0200, 29.1998, 14.1096

Deuteranopia

29.6881, 29.2360, 13.5296



Tritanopia

32.6747, 29.1066, 31.0901

Trichromacy



Original Color

29.1554, 29.1812, 13.5471

Protanomaly

27.6967, 29.0960, 13.8292

Deuteranomaly

29.4595, 29.1181, 13.5189

Tritanomaly

31.1502, 29.1226, 23.3815

Monochromacy



Original Color

29.1554, 29.1812, 13.5471

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.7317, 28.8996, 23.5186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1554, 29.1812, 13.5471 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(175, 142, 89)` looks like.

```
.text, #text, p{  
    color:rgb(175, 142, 89)  
}
```

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(175, 142, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 142, 89) }
```

Border

The CSS property to change the border of an element to XYZ 29.1554, 29.1812, 13.5471 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(175, 142, 89) }
```


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

```
.border{ border-color:rgb(175, 142, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 142, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 142, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 142, 89);  
box-shadow:4px 4px 4px 4px rgb(175, 142,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1554, 29.1812, 13.5471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 142, 89) }
```

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

```
.background{ background-color: rgb(175,  
142, 89) }
```

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