

Converting Colors

XYZ(17.2476, 29.0739, 6.4537)

Have a look what the booklet for
XYZ(17.2476, 29.0739, 6.4537)
contains.

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Color

**XYZ(17.2784, 29.1115,
6.4587)**

Conversions

Conversions Part 1

Format	Color
Hex	50A625
RGB	80, 166, 37
RGB Percent	31%, 65%, 15%
CMY	0.6863, 0.3490, 0.8549
CMYK	0.52, 0.00, 0.78, 0.35
HSL	100°, 64%, 40%
HSV	100°, 78%, 65%
XYZ	17.2784, 29.1115, 6.4587
YIQ	125.5800, -9.8470, -58.3510

Conversions

Conversions Part 2

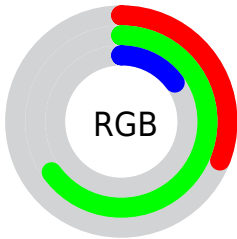
Format	Color
R_{YB}	37, 166, 123
Decimal	5285413
CIE _{Lab}	60.88, -48.14, 54.55
CIE _{LCh}	61, 72.753, 131.425
Yxy	29.1115, 0.3269, 0.5508
Android (android.graphics.Color)	4283475493 (0xFF50A625)
YUV	125.5800, -43.6699, -39.9737
Hunter-Lab	53.9551, -37.2591, 30.6712

Details

The XYZ color **17.2784, 29.1115, 6.4587** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **15.7147, 8.2884, 36.8496**, and the grayscale version is **19.8352, 20.8682, 22.7254**.

A 20% lighter version of the original color is **38.3696, 58.3336, 19.3624**, and **5.9677, 11.8425, 1.9713** is the 20% darker color. If you saturate the color by 10%, you get **16.2162, 28.5884, 5.3443**, and if you desaturate by 10%, it is **18.6145, 29.7639, 8.2056**.

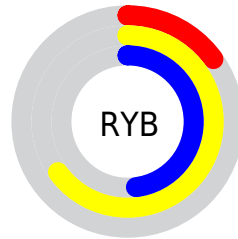
Distribution



Red (31%)

Green (65%)

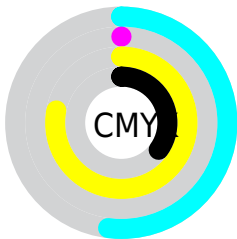
Blue (15%)



Red (15%)

Yellow (65%)

Blue (48%)

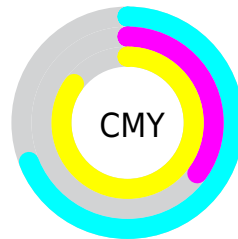


Cyan (52%)

Magenta (0%)

Yellow (78%)

Black (35%)



Cyan (69%)

Magenta (35%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2784, 29.1115, 6.4587 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 17.2784, 29.1115, 6.4587 by changing the saturation by 10% instead.

■ 17.2784, 29.1115,
6.4587

■ 17.2784, 29.1115,
6.4587

229.8967,
297.7407, 172.5435

■ 10.5297, 19.1652,
3.0527

■ 38.3436, 58.2542,
19.3697

■ 5.8165, 11.7897,
1.1216

■ 53.3909, 78.2194,
29.7117

■ 2.7734, 6.6006,
0.0000

■ 71.9350, 102.2929,
43.2028

■ 1.0351, 3.2136,
0.0000

■ 94.3414, 130.8593,
60.2615

■ 0.0000, 1.2443,
0.0000

■ 120.9755,
164.3029, 81.3064

■ 0.0000, 0.0974,
0.0000

■ 152.2024,

■ 0.0000, 0.0000,

203.0080, 106.7560

0.0000

188.3878,
247.3592, 137.0289

■ 17.2784, 29.1115,
6.4587

■ 17.2784, 29.1115,
6.4587

■ 16.2162, 28.5884,
5.3443

■ 18.6145, 29.7639,
8.2056

■ 15.3947, 28.1775,
4.7367

■ 20.2436, 30.5511,
10.6586

■ 15.2304, 28.0952,
4.6202

■ 22.1854, 31.4828,
13.8829

■ 24.4567, 32.5664,
17.9362

■ 27.0735, 33.8089,
22.8705

■ 30.0503, 35.2168,
28.7333

■ 33.4008, 36.7962,
35.5691

■ 37.1381, 38.5530,
43.4193

■ 41.2745, 40.4925,
52.3229

Harmonies

Analogous

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



24.2144, 29.1115, 3.1259



17.2784, 29.1115, 6.4587



13.7403, 29.1115, 17.8090

Triad

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



17.2784, 29.1115, 6.4587



22.2608, 29.1115, 111.3761



49.6527, 29.1115, 22.4421

Complementary

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



17.2784, 29.1115, 6.4587



15.7147, 8.2884, 36.8496

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.



48.7891, 29.1115, 51.3997



17.2784, 29.1115, 6.4587



31.4388, 29.1115, 115.3153

Square

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



17.2784, 29.1115, 6.4587



16.1307, 29.1115, 80.2894



41.5639, 29.1115, 89.1491



43.7076, 29.1115, 8.1871

Rectangle

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



17.2784, 29.1115, 6.4587



13.1570, 29.1115, 33.0132



41.5639, 29.1115, 89.1491



50.1795, 29.1115, 30.4172

Sweetspot

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



17.2791, 29.1127, 6.4593



51.3647, 62.4134, 45.8493



23.1441, 22.4079, 4.8561



11.0848, 13.7730, 9.4614



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



17.2791, 29.1127, 6.4593



28.3467, 51.3418, 8.8743



15.1766, 27.9778, 8.6711



7.6636, 8.5247, 8.0308



11.8551, 21.8087, 3.5847



0.3424, 0.5584, 0.0897

Inverse Universe

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



15.7147, 8.2884, 36.8496



25.1631, 11.7862, 66.4240



21.4610, 11.4599, 27.6688



7.5953, 7.5395, 9.4733



10.4400, 4.7655, 28.3451



0.3048, 0.1421, 0.6920

Previews

White Background



This preview shows how the XYZ color 17.2784, 29.1115, 6.4587 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 17.2784, 29.1115, 6.4587 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 17.2784, 29.1115, 6.4587

Background



This preview shows how black text looks on a background with the XYZ color 17.2784, 29.1115, 6.4587.



This preview shows how white text looks on a background with the XYZ color 17.2784, 29.1115,

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

17.2784, 29.1115, 6.4587

Protanopia

25.8494, 28.5546, 5.5157

Deuteranopia

29.3154, 28.7543, 6.9108



Tritanopia

24.1759, 29.0575, 40.8937

Trichromacy



Original Color

17.2784, 29.1115, 6.4587

Protanomaly

21.3528, 27.8845, 5.7702

Deuteranomaly

23.0752, 27.7953, 6.6315

Tritanomaly

20.4044, 28.5320, 22.2011

Monochromacy



Original Color

17.2784, 29.1115, 6.4587

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

17.8519, 23.1091, 14.1093

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2784, 29.1115, 6.4587 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(80, 166, 37)` looks like.

```
.text, #text, p{  
    color:rgb(80, 166, 37)  
}
```

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(80, 166, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 166, 37) }
```

Border

The CSS property to change the border of an element to XYZ 17.2784, 29.1115, 6.4587 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(80, 166, 37) }
```


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

```
.border{ border-color:rgb(80, 166, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 166, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 166, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 166, 37);  
box-shadow:4px 4px 4px 4px rgb(80, 166,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2784, 29.1115, 6.4587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 166, 37) }
```

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

```
.background{ background-color: rgb(80, 166,  
37) }
```

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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