

Converting Colors

XYZ(17.5459, 29.0264, 13.5223)

Have a look what the booklet for
XYZ(17.5459, 29.0264, 13.5223)
contains.

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Color

**XYZ(17.5627, 29.1026,
13.4958)**

Conversions

Conversions Part 1

Format	Color
Hex	42A656
RGB	66, 166, 86
RGB Percent	26%, 65%, 34%
CMY	0.7412, 0.3490, 0.6627
CMYK	0.60, 0.00, 0.48, 0.35
HSL	132°, 43%, 45%
HSV	132°, 60%, 65%
XYZ	17.5627, 29.1026, 13.4958
YIQ	126.9800, -33.9200, -46.0800

Conversions

Conversions Part 2

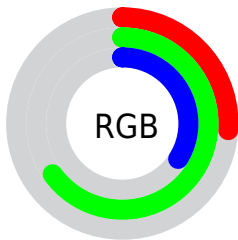
Format	Color
RYB	66, 149, 166
Decimal	4367958
CIELab	60.87, -46.56, 32.82
CIELCh	61, 56.963, 144.819
Yxy	29.1026, 0.2919, 0.4837
Android (android.graphics.Color)	4282558038 (0xFF42A656)
YUV	126.9800, -20.2031, -53.4795
Hunter-Lab	53.9468, -36.2952, 22.9303

Details

The XYZ color **17.5627, 29.1026, 13.4958** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **22.8633, 14.0792, 28.7074**, and the grayscale version is **20.2421, 21.2962, 23.1916**.

A 20% lighter version of the original color is **38.8050, 58.2596, 32.8669**, and **6.2550, 11.9502, 3.8107** is the 20% darker color. If you saturate the color by 10%, you get **16.1162, 28.4139, 10.8901**, and if you desaturate by 10%, it is **19.4346, 30.0008, 16.6417**.

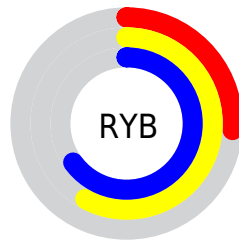
Distribution



Red (26%)

Green (65%)

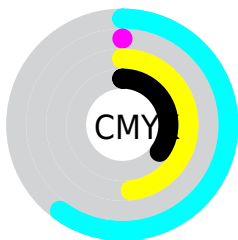
Blue (34%)



Red (26%)

Yellow (58%)

Blue (65%)

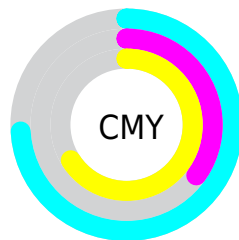


Cyan (60%)

Magenta (0%)

Yellow (48%)

Black (35%)



Cyan (74%)


Magenta (35%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.5627, 29.1026, 13.4958 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 17.5627, 29.1026, 13.4958 by changing the saturation by 10% instead.


 17.5627, 29.1026,
13.4958


 17.5627, 29.1026,
13.4958


231.4881,
297.6987, 225.3895


 10.7343, 19.1584,
7.6361


 38.8267, 58.2401,
32.8958


 5.9544, 11.7848,
3.7786

 53.9930, 78.2022,
47.2733


 2.8578, 6.5973,
1.5047


 72.6693, 102.2724,
65.3270

 1.0790, 3.2116,
0.2214

 95.2209, 130.8351,
87.4756

 0.0074, 1.2432,
0.0000

 122.0133,
164.2747, 114.1376

 0.0000, 0.0965,
0.0000

153.4117,

 0.0000, 0.0000,

202.9755, 145.7316

0.0000

189.7815,
247.3221, 182.6760

■ 17.5627, 29.1026,
13.4958

■ 17.5627, 29.1026,
13.4958

■ 16.1162, 28.4139,
10.8901

■ 19.4346, 30.0008,
16.6417

■ 15.0586, 27.9140,
8.7923

■ 21.7605, 31.1200,
20.3538

■ 14.3503, 27.5841,
7.1694

■ 24.5687, 32.4753,
24.6589

■ 13.9142, 27.3845,
6.0061

■ 27.8847, 34.0793,
29.5814

■ 31.7322, 35.9436,
35.1443

■ 36.1334, 38.0793,
41.3696

■ 41.1091, 40.4966,
48.2781

■ 46.6792, 43.2054,
55.8897

■ 52.8626, 46.2150,
64.2235

Harmonies

Analogous

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



22.0947, 29.1026, 7.1895



17.5627, 29.1026, 13.4958



15.7472, 29.1026, 28.1398

Triad

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



17.5627, 29.1026, 13.4958



26.3928, 29.1026, 92.2785



42.7349, 29.1026, 17.4458

Complementary

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



17.5627, 29.1026, 13.4958



22.8633, 14.0792, 28.7074

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.



44.4401, 29.1026, 35.5221



17.5627, 29.1026, 13.4958



34.0919, 29.1026, 85.1172

Square

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



17.5627, 29.1026, 13.4958



20.2290, 29.1026, 78.1853



41.0363, 29.1026, 61.5378



36.7216, 29.1026, 8.6511

Rectangle

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



17.5627, 29.1026, 13.4958



16.0348, 29.1026, 43.3284



41.0363, 29.1026, 61.5378



43.8716, 29.1026, 22.3445

Sweetspot

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



17.5634, 29.1038, 13.4965



51.8617, 62.4561, 55.5193



26.4747, 33.7782, 10.2789



11.1931, 13.7767, 11.8208



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.



17.5634, 29.1038, 13.4965



28.5814, 51.2502, 18.4890



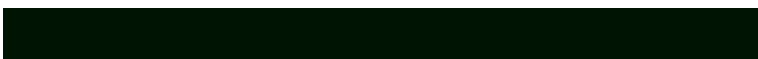
20.3277, 30.2095, 28.0531



7.4958, 8.4314, 8.3312



10.8033, 21.2401, 4.7308



0.2796, 0.5235, 0.2035

Inverse Universe

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



22.8633, 14.0792, 28.7074



39.0070, 21.5434, 48.2990



19.7862, 12.8484, 12.5038



7.7766, 7.6405, 9.1410



15.4837, 7.6022, 17.8903



0.3926, 0.1913, 0.5191

Previews

White Background



This preview shows how the XYZ color 17.5627, 29.1026, 13.4958 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 17.5627, 29.1026, 13.4958 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 17.5627, 29.1026, 13.4958

Background



This preview shows how black text looks on a background with the XYZ color 17.5627, 29.1026, 13.4958.



This preview shows how white text looks on a background with the XYZ color 17.5627, 29.1026,

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

17.5627, 29.1026, 13.4958

Protanopia

26.3881, 28.6993, 11.5459

Deuteranopia

29.1129, 28.4857, 14.3198



Tritanopia

23.2429, 29.0532, 41.9189

Trichromacy



Original Color

17.5627, 29.1026, 13.4958

Protanomaly

21.5184, 27.8273, 12.2197

Deuteranomaly

22.7463, 27.4673, 13.7757

Tritanomaly

20.5393, 28.7112, 28.8854

Monochromacy



Original Color

17.5627, 29.1026, 13.4958

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

18.2752, 23.2229, 18.8485

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5627, 29.1026, 13.4958 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(66, 166, 86)` looks like.

```
.text, #text, p{  
    color:rgb(66, 166, 86)  
}
```

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(66, 166, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 166, 86) }
```

Border

The CSS property to change the border of an element to XYZ 17.5627, 29.1026, 13.4958 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(66, 166, 86) }
```


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

```
.border{ border-color:rgb(66, 166, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 166, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 166, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 166, 86);  
box-shadow:4px 4px 4px 4px rgb(66, 166,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5627, 29.1026, 13.4958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 166, 86) }
```

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

```
.background{ background-color: rgb(66, 166,  
86) }
```

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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