

Converting Colors

XYZ(17.3471, 28.9469, 12.4752)

Have a look what the booklet for
XYZ(17.3471, 28.9469, 12.4752)
contains.

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Color

**XYZ(17.3682, 29.0248,
12.4715)**

Conversions

Conversions Part 1

Format	Color
Hex	42A651
RGB	66, 166, 81
RGB Percent	26%, 65%, 32%
CMY	0.7412, 0.3490, 0.6823
CMYK	0.60, 0.00, 0.51, 0.35
HSL	129°, 43%, 45%
HSV	129°, 60%, 65%
XYZ	17.3682, 29.0248, 12.4715
YIQ	126.4100, -32.3150, -47.6350

Conversions

Conversions Part 2

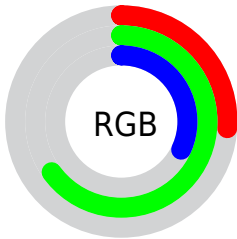
Format	Color
RYB	66, 153, 166
Decimal	4367953
CIELab	60.80, -47.32, 35.29
CIELCh	61, 59.028, 143.283
Yxy	29.0248, 0.2951, 0.4931
Android (android.graphics.Color)	4282558033 (0xFF42A651)
YUV	126.4100, -22.3871, -52.9796
Hunter-Lab	53.8747, -36.7356, 23.9872

Details

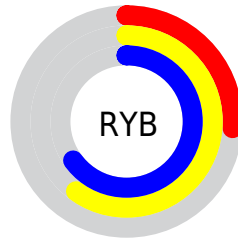
The XYZ color **17.3682, 29.0248, 12.4715** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **23.2609, 14.2383, 30.8013**, and the grayscale version is **20.0534, 21.0978, 22.9755**.

A 20% lighter version of the original color is **38.4545, 58.1194, 31.0212**, and **6.1658, 11.9145, 3.3413** is the 20% darker color. If you saturate the color by 10%, you get **15.9327, 28.3405, 9.9238**, and if you desaturate by 10%, it is **19.2397, 29.9228, 15.6149**.

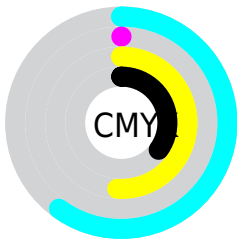
Distribution



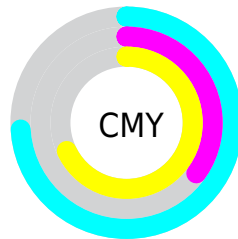
- Red (26%)
- Green (65%)
- Blue (32%)



- Red (26%)
- Yellow (60%)
- Blue (65%)



- Cyan (60%)
- Magenta (0%)
- Yellow (51%)
- Black (35%)



- Cyan (74%)
- Magenta (35%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.3682, 29.0248, 12.4715 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 17.3682, 29.0248, 12.4715 by changing the saturation by 10% instead.

■ 17.3682, 29.0248,
12.4715

■ 17.3682, 29.0248,
12.4715

230.4005,
297.3320, 218.5898

■ 10.5943, 19.0996,
6.9392

■ 38.4963, 58.1165,
31.0281

■ 5.8600, 11.7423,
3.3462

■ 53.5813, 78.0517,
44.8896

■ 2.8000, 6.5684,
1.2740

■ 72.1673, 102.0925,
62.3644

■ 1.0489, 3.1937,
0.0404

■ 94.6197, 130.6231,
83.8713

■ 0.0000, 1.2337,
0.0000

■ 121.3038,
164.0279, 109.8288

■ 0.0000, 0.0890,
0.0000

152.5851,

■ 0.0000, 0.0000,

202.6914, 140.6553

0.0000

188.8289,
246.9980, 176.7695

■ 17.3682, 29.0248,
12.4715

■ 17.3682, 29.0248,
12.4715

■ 15.9327, 28.3405,
9.9238

■ 19.2397, 29.9228,
15.6149

■ 14.8952, 27.8487,
7.9322

■ 21.5768, 31.0465,
19.3862

■ 14.2147, 27.5299,
6.4557

■ 24.4090, 32.4115,
23.8178

■ 13.8112, 27.3434,
5.4640

■ 27.7627, 34.0305,
28.9390

■ 31.6626, 35.9158,
34.7777

■ 36.1316, 38.0786,
41.3600

■ 41.1913, 40.5295,
48.7108

■ 46.8624, 43.2786,
56.8539

■ 53.1642, 46.3356,
65.8118

Harmonies

Analogous

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



22.1556, 29.0248, 6.5083



17.3682, 29.0248, 12.4715



15.3736, 29.0248, 26.9132

Triad

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



17.3682, 29.0248, 12.4715



25.8970, 29.0248, 94.8997



43.4838, 29.0248, 17.6682

Complementary

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



17.3682, 29.0248, 12.4715



23.2609, 14.2383, 30.8013

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.



44.9914, 29.0248, 36.8084



17.3682, 29.0248, 12.4715



33.8411, 29.0248, 88.4896

Square

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



17.3682, 29.0248, 12.4715



19.6717, 29.0248, 79.0285



41.1877, 29.0248, 64.2024



37.3837, 29.0248, 8.3888

Rectangle

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



17.3682, 29.0248, 12.4715



15.5732, 29.0248, 42.3422



41.1877, 29.0248, 64.2024



44.5859, 29.0248, 22.8531

Sweetspot

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



17.3689, 29.0260, 12.4722



51.6564, 62.3740, 54.4379



27.3832, 34.2465, 10.3214



11.1419, 13.7563, 11.5513



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.



17.3689, 29.0260, 12.4722



28.2581, 51.1209, 16.7861



19.9805, 30.0706, 26.2247



7.4809, 8.4254, 8.2527



10.7208, 21.2071, 4.2968



0.2740, 0.5213, 0.1740

Inverse Universe

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



23.2609, 14.2383, 30.8013



39.8568, 21.8833, 52.7741



20.0239, 12.9435, 13.7553



7.7928, 7.6470, 9.2262



15.9421, 7.7856, 20.3044



0.4006, 0.1945, 0.5608

Previews

White Background



This preview shows how the XYZ color 17.3682, 29.0248, 12.4715 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 17.3682, 29.0248, 12.4715 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 17.3682, 29.0248, 12.4715

Background



This preview shows how black text looks on a background with the XYZ color 17.3682, 29.0248, 12.4715.



This preview shows how white text looks on a background with the XYZ color 17.3682, 29.0248,

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

17.3682, 29.0248, 12.4715

Protanopia

26.2129, 28.6292, 10.6230

Deuteranopia

29.1255, 28.5169, 13.2018



Tritanopia

23.1697, 28.7654, 41.8672

Trichromacy



Original Color

17.3682, 29.0248, 12.4715



Protanomaly

21.3350, 27.7539, 11.2537



Deuteranomaly

22.7037, 27.4691, 12.6998



Tritanomaly

20.4795, 28.6971, 28.1266

Monochromacy



Original Color

17.3682, 29.0248, 12.4715



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

18.0483, 23.1186, 18.2629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3682, 29.0248, 12.4715 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, 81)` looks like.

```
.text, #text, p{  
    color:rgb(66, 166, 81)  
}
```

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, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 166, 81) }
```

Border

The CSS property to change the border of an element to XYZ 17.3682, 29.0248, 12.4715 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, 81) }
```


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

```
.border{ border-color:rgb(66, 166, 81) }
```

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, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 166, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 166, 81);  
box-shadow:4px 4px 4px 4px rgb(66, 166,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 17.3682, 29.0248, 12.4715 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, 81) }
```

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

```
.background{ background-color: rgb(66, 166,  
81) }
```

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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