

Converting Colors

XYZ(18.2246, 28.5855, 17.8714)

Have a look what the booklet for
XYZ(18.2246, 28.5855, 17.8714)
contains.

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Color

**XYZ(18.1728, 28.5164,
17.9110)**

Conversions

Conversions Part 1

Format	Color
Hex	46A369
RGB	70, 163, 105
RGB Percent	27%, 64%, 41%
CMY	0.7255, 0.3608, 0.5882
CMYK	0.57, 0.00, 0.36, 0.36
HSL	143°, 40%, 46%
HSV	143°, 57%, 64%
XYZ	18.1728, 28.5164, 17.9110
YIQ	128.5810, -36.8100, -37.7540

Conversions

Conversions Part 2

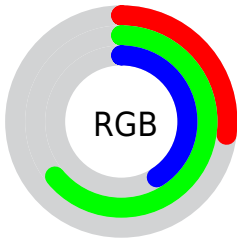
Format	Color
RYB	70, 138, 163
Decimal	4629353
CIELab	60.35, -41.06, 22.06
CIELCh	60, 46.607, 151.754
Yxy	28.5164, 0.2813, 0.4414
Android (android.graphics.Color)	4282819433 (0xFF46A369)
YUV	128.5810, -11.6254, -51.3755
Hunter-Lab	53.4007, -32.7060, 17.4942

Details

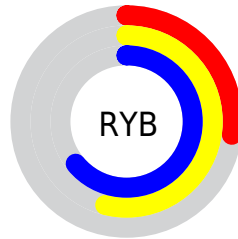
The XYZ color **18.1728, 28.5164, 17.9110** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **21.1916, 13.7260, 21.9557**, and the grayscale version is **20.7689, 21.8505, 23.7952**.

A 20% lighter version of the original color is **40.0215, 57.5330, 40.8939**, and **6.3144, 11.4473, 5.7476** is the 20% darker color. If you saturate the color by 10%, you get **16.6612, 27.7947, 15.2742**, and if you desaturate by 10%, it is **20.0675, 29.4299, 20.8931**.

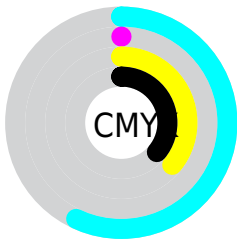
Distribution



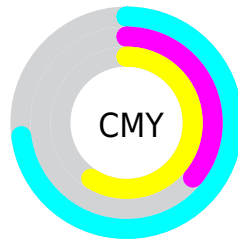
- Red (27%)
- Green (64%)
- Blue (41%)



- Red (27%)
- Yellow (54%)
- Blue (64%)



- Cyan (57%)
- Magenta (0%)
- Yellow (36%)
- Black (36%)





- Cyan (73%)
- Magenta (36%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.1728, 28.5164, 17.9110 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 18.1728, 28.5164, 17.9110 by changing the saturation by 10% instead.


 18.1728, 28.5164,
17.9110


 18.1728, 28.5164,
17.9110


234.8700,
294.9263, 252.5882


 11.1746, 18.7153,
10.7173


 39.8593, 57.3078,
40.6975


 6.2525, 11.4647,
5.7653


 55.2783, 77.0670,
57.1274


 3.0413, 6.3803,
2.6364


 74.2350, 100.9142,
77.4732

 1.1757, 3.0777,
0.9112

 97.0946, 129.2340,
102.1533

 0.0870, 1.1724,
0.0000

 124.2225,
162.4107, 131.5863

 0.0000, 0.0390,
0.0000

155.9842,

 0.0000, 0.0000,

200.8287, 166.1907

0.0000

192.7449,
244.8725, 206.3852

■ 18.1728, 28.5164,
17.9110

■ 18.1728, 28.5164,
17.9110

■ 16.6612, 27.7947,
15.2742

■ 20.0675, 29.4299,
20.8931

■ 15.5018, 27.2469,
12.9679

■ 22.3688, 30.5448,
24.2307

■ 14.6622, 26.8572,
10.9791

■ 25.1006, 31.8739,
27.9358

■ 14.0929, 26.6005,
9.2927

■ 28.2844, 33.4281,
32.0193

■ 13.9493, 26.5361,
8.8504

■ 31.9403, 35.2176,
36.4918

■ 36.0871, 37.2518,
41.3633

■ 40.7424, 39.5397,
46.6434

■ 45.9232, 42.0897,
52.3416

■ 51.6455, 44.9100,
58.4668

Harmonies

Analogous

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



21.4843, 28.5164, 10.6021



18.1728, 28.5164, 17.9110



17.1465, 28.5164, 32.0699

Triad

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



18.1728, 28.5164, 17.9110



27.4580, 28.5164, 77.0541



38.1221, 28.5164, 16.7266

Complementary

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



18.1728, 28.5164, 17.9110



21.1916, 13.7260, 21.9557

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.



40.3200, 28.5164, 30.0510



18.1728, 28.5164, 17.9110



33.6270, 28.5164, 68.3815

Square

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



18.1728, 28.5164, 17.9110



22.0114, 28.5164, 70.1043



38.5662, 28.5164, 49.4183



32.9271, 28.5164, 10.1166

Rectangle

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



18.1728, 28.5164, 17.9110



17.7539, 28.5164, 44.9462



38.5662, 28.5164, 49.4183



39.2677, 28.5164, 20.3605

Sweetspot

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



18.1735, 28.5176, 17.9116



50.4941, 59.7871, 57.1426



23.2417, 31.2972, 10.6107



11.0853, 13.3030, 12.5124



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



18.1735, 28.5176, 17.9116



29.3272, 49.5338, 26.3923



21.1774, 29.7191, 33.7295



7.0907, 7.9371, 8.0893



10.8614, 20.6309, 6.9866



0.2507, 0.4425, 0.2651

Inverse Universe

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



21.1916, 13.7260, 21.9557



35.2288, 20.4975, 34.2163



18.8335, 12.7827, 9.5378



7.2507, 7.1567, 8.3068



13.6121, 6.8009, 10.4137



0.3078, 0.1516, 0.3337

Previews

White Background



This preview shows how the XYZ color 18.1728, 28.5164, 17.9110 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 18.1728, 28.5164, 17.9110 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 18.1728, 28.5164, 17.9110

Background



This preview shows how black text looks on a background with the XYZ color 18.1728, 28.5164, 17.9110.



This preview shows how white text looks on a background with the XYZ color 18.1728, 28.5164,

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

18.1728, 28.5164, 17.9110

Protanopia

26.0356, 27.9777, 15.3373

Deuteranopia

28.6247, 28.1371, 18.6742



Tritanopia

22.8137, 28.3445, 41.3144

Trichromacy



Original Color

18.1728, 28.5164, 17.9110

Protanomaly

21.8243, 27.4133, 16.1976

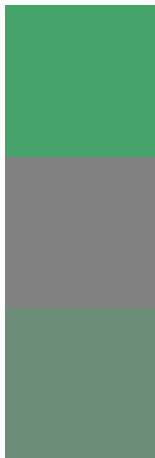
Deuteranomaly

23.1282, 27.3309, 18.2438

Tritanomaly

20.7310, 28.2474, 31.1477

Monochromacy



Original Color

18.1728, 28.5164, 17.9110

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

19.0994, 23.5940, 21.3167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1728, 28.5164, 17.9110 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(70, 163, 105)` looks like.

```
.text, #text, p{  
    color:rgb(70, 163, 105)  
}
```

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(70, 163, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 163, 105) }
```

Border

The CSS property to change the border of an element to XYZ 18.1728, 28.5164, 17.9110 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(70, 163, 105) }
```


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

```
.border{ border-color:rgb(70, 163, 105) }
```

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

Here you see how a box with a 4 pixel rgb(70, 163, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 163, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 163, 105);  
box-shadow:4px 4px 4px 4px rgb(70, 163,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1728, 28.5164, 17.9110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 163, 105) }
```

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

```
.background{ background-color: rgb(70, 163,  
105) }
```

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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