

Converting Colors

XYZ(18.0418, 29.0469, 21.9504)

Have a look what the booklet for
XYZ(18.0418, 29.0469, 21.9504)
contains.

XYZ(18.0785, 29.1848, 21.8199)	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(18.0785, 29.1848,
21.8199)**

Conversions

Conversions Part 1

Format	Color
Hex	2FA676
RGB	47, 166, 118
RGB Percent	18%, 65%, 46%
CMY	0.8157, 0.3490, 0.5372
CMYK	0.72, 0.00, 0.29, 0.35
HSL	156°, 56%, 42%
HSV	156°, 72%, 65%
XYZ	18.0785, 29.1848, 21.8199
YIQ	124.9470, -55.5160, -40.1560

Conversions

Conversions Part 2

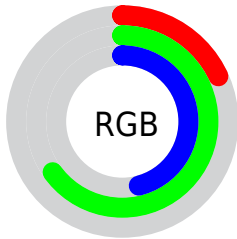
Format	Color
RYB	47, 122, 166
Decimal	3122806
CIELab	60.94, -44.11, 15.62
CIELCh	61, 46.794, 160.494
Yxy	29.1848, 0.2617, 0.4225
Android (android.graphics.Color)	4281312886 (0xFF2FA676)
YUV	124.9470, -3.4249, -68.3595
Hunter-Lab	54.0230, -34.8061, 13.8688

Details

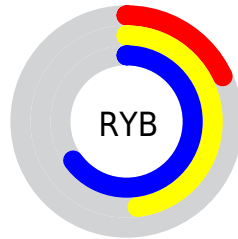
The XYZ color **18.0785, 29.1848, 21.8199** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **18.8089, 10.9669, 11.9530**, and the grayscale version is **19.5004, 20.5159, 22.3418**.

A 20% lighter version of the original color is **39.6836, 58.3960, 47.2102**, and **6.9793, 12.2399, 7.6249** is the 20% darker color. If you saturate the color by 10%, you get **17.0701, 28.7101, 19.7691**, and if you desaturate by 10%, it is **19.4078, 29.8232, 24.0345**.

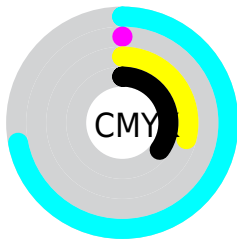
Distribution



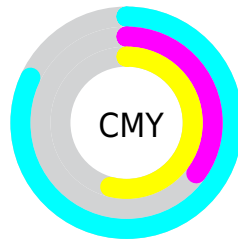
- Red (18%)
- Green (65%)
- Blue (46%)



- Red (18%)
- Yellow (48%)
- Blue (65%)



- Cyan (72%)
- Magenta (0%)
- Yellow (29%)
- Black (35%)



- Cyan (82%)
- Magenta (35%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0785, 29.1848, 21.8199 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 18.0785, 29.1848, 21.8199 by changing the saturation by 10% instead.

■ 18.0785, 29.1848,
21.8199

■ 18.0785, 29.1848,
21.8199

234.3502,
298.0859, 274.5271

■ 11.1064, 19.2207,
13.5276

■ 39.7001, 58.3706,
47.3465

■ 6.2063, 11.8298,
7.6579

■ 55.0803, 78.3610,
65.4179

■ 3.0128, 6.6279,
3.7922

■ 73.9938, 102.4623,
87.5860

■ 1.1605, 3.2305,
1.5120

■ 96.8062, 131.0589,
114.2695

■ 0.0748, 1.2532,
0.2269

■ 123.8826,
164.5351, 145.8867

■ 0.0000, 0.1045,
0.0000

155.5885,

■ 0.0000, 0.0000,

203.2755, 182.8564

0.0000

192.2893,
247.6643, 225.5970

■ 18.0785, 29.1848,
21.8199

■ 18.0785, 29.1848,
21.8199

■ 17.0701, 28.7101,
19.7691

■ 19.4078, 29.8232,
24.0345

■ 16.3446, 28.3772,
17.8754

■ 21.0857, 30.6372,
26.4151

■ 15.8909, 28.1752,
16.4157

■ 23.1396, 31.6417,
28.9667

■ 25.5932, 32.8488,
31.6931

■ 28.4685, 34.2697,
34.5981

■ 31.7855, 35.9148,
37.6852

■ 35.5631, 37.7937,
40.9579

■ 39.8190, 39.9155,
44.4195

■ 44.5700, 42.2888,
48.0734

Harmonies

Analogous

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



20.7921, 29.1848, 12.4516



18.0785, 29.1848, 21.8199



17.7220, 29.1848, 38.3037

Triad

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



18.0785, 29.1848, 21.8199



29.9332, 29.1848, 77.6341



37.6605, 29.1848, 14.5611

Complementary

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



18.0785, 29.1848, 21.8199



18.8089, 10.9669, 11.9530

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.



40.9599, 29.1848, 26.0378



18.0785, 29.1848, 21.8199



36.0836, 29.1848, 64.8217

Square

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



18.0785, 29.1848, 21.8199



24.0006, 29.1848, 75.1800



40.3438, 29.1848, 44.3794



31.8473, 29.1848, 9.4515

Rectangle

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



18.0785, 29.1848, 21.8199



18.8022, 29.1848, 52.0774



40.3438, 29.1848, 44.3794



39.1364, 29.1848, 17.5857

Sweetspot

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



18.0793, 29.1860, 21.8206



51.2618, 61.9940, 62.3976



19.0357, 29.9975, 7.4764



11.1554, 13.7167, 13.6521



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.



18.0793, 29.1860, 21.8206



30.1435, 51.7179, 33.8119



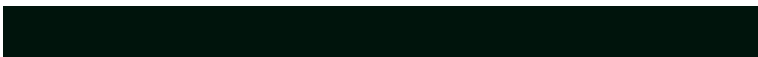
19.9586, 27.1636, 40.2690



7.6175, 8.4800, 8.9719



12.3457, 21.8570, 12.8531



0.3247, 0.5415, 0.4408

Inverse Universe

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



18.8089, 10.9669, 11.9530



31.5915, 16.6905, 15.0660



17.6988, 11.2309, 3.9246



7.6518, 7.5906, 8.4837



13.0013, 6.6092, 4.8183



0.3418, 0.1710, 0.2513

Previews

White Background



This preview shows how the XYZ color 18.0785, 29.1848, 21.8199 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 18.0785, 29.1848, 21.8199 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 18.0785, 29.1848, 21.8199

Background



This preview shows how black text looks on a background with the XYZ color 18.0785, 29.1848, 21.8199.



This preview shows how white text looks on a background with the XYZ color 18.0785, 29.1848,

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

18.0785, 29.1848, 21.8199

Protanopia

26.7495, 28.7298, 18.6036

Deuteranopia

29.1646, 28.5362, 23.0397



Tritanopia

22.3703, 29.0769, 43.4631

Trichromacy



Original Color

18.0785, 29.1848, 21.8199

Protanomaly

21.5183, 27.6653, 19.5350

Deuteranomaly

22.5725, 27.1851, 22.4699

Tritanomaly

20.5744, 29.1318, 34.2444

Monochromacy



Original Color

18.0785, 29.1848, 21.8199

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

17.8207, 22.7027, 21.8552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0785, 29.1848, 21.8199 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(47, 166, 118)` looks like.

```
.text, #text, p{  
    color:rgb(47, 166, 118)  
}
```

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(47, 166, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 166, 118) }
```

Border

The CSS property to change the border of an element to XYZ 18.0785, 29.1848, 21.8199 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(47, 166, 118) }
```


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

```
.border{ border-color:rgb(47, 166, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 166, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 166, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 166, 118);  
box-shadow:4px 4px 4px 4px rgb(47, 166,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0785, 29.1848, 21.8199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 166, 118) }
```

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

```
.background{ background-color: rgb(47, 166,  
118) }
```

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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