

Converting Colors

XYZ(18.8246, 29.0175, 28.7271)

Have a look what the booklet for
XYZ(18.8246, 29.0175, 28.7271)
contains.

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Color

**XYZ(18.8793, 29.1766,
28.6814)**

Conversions

Conversions Part 1

Format	Color
Hex	27A58A
RGB	39, 165, 138
RGB Percent	15%, 65%, 54%
CMY	0.8470, 0.3529, 0.4588
CMYK	0.76, 0.00, 0.16, 0.35
HSL	167°, 62%, 40%
HSV	167°, 76%, 65%
XYZ	18.8793, 29.1766, 28.6814
YIQ	124.2480, -66.4290, -35.1090

Conversions

Conversions Part 2

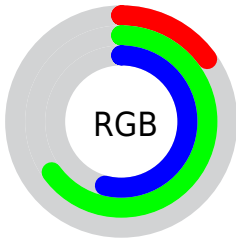
Format	Color
R_{YB}	39, 110, 165
Decimal	2598282
CIE _{Lab}	60.94, -39.89, 4.44
CIE _{LCh}	61, 40.139, 173.644
Yxy	29.1766, 0.2460, 0.3802
Android (android.graphics.Color)	4280788362 (0xFF27A58A)
YUV	124.2480, 6.7797, -74.7625
Hunter-Lab	54.0154, -32.1381, 6.3286

Details

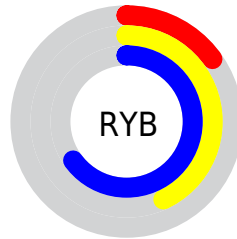
The XYZ color **18.8793, 29.1766, 28.6814** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **17.2269, 9.8445, 6.1477**, and the grayscale version is **19.2359, 20.2376, 22.0388**.

A 20% lighter version of the original color is **41.0861, 58.4777, 58.4121**, and **7.5556, 12.2929, 11.2071** is the 20% darker color. If you saturate the color by 10%, you get **18.1334, 28.8219, 27.3323**, and if you desaturate by 10%, it is **19.9069, 29.6770, 30.0885**.

Distribution



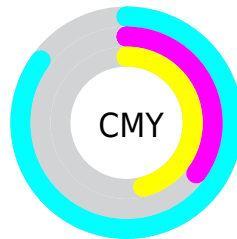
- Red (15%)
- Green (65%)
- Blue (54%)



- Red (15%)
- Yellow (43%)
- Blue (65%)



- Cyan (76%)
- Magenta (0%)
- Yellow (16%)
- Black (35%)



- Cyan (85%)
- Magenta (35%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8793, 29.1766, 28.6814 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 18.8793, 29.1766, 28.6814 by changing the saturation by 10% instead.

■ 18.8793, 29.1766,
28.6814

■ 18.8793, 29.1766,
28.6814

238.7325,
298.0473, 309.7225

■ 11.6866, 19.2145,
18.5964

■ 41.0485, 58.3576,
58.6066

■ 6.6013, 11.8253,
11.2052

■ 56.7557, 78.3451,
79.2840

■ 3.2581, 6.6249,
6.0891

■ 76.0317, 102.4434,
104.3292

■ 1.2917, 3.2286,
2.8297

■ 99.2420, 131.0366,
134.1609

■ 0.1770, 1.2522,
1.0083

■ 126.7519,
164.5092, 169.1975

■ 0.0000, 0.1038,
0.0000

158.9267,

■ 0.0000, 0.0000,

203.2456, 209.8576

0.0000

196.1318,
247.6301, 256.5598

■ 18.8793, 29.1766,
28.6814

■ 18.8793, 29.1766,
28.6814

■ 18.1334, 28.8219,
27.3323

■ 19.9069, 29.6770,
30.0885

■ 17.6228, 28.5868,
26.0366

■ 21.2451, 30.3358,
31.5535

■ 17.4609, 28.5134,
25.5768

■ 22.9220, 31.1683,
33.0786

■ 24.9616, 32.1867,
34.6654

■ 27.3860, 33.4025,
36.3153

■ 30.2151, 34.8260,
38.0296

■ 33.4678, 36.4668,
39.8096

■ 37.1616, 38.3340,
41.6565

■ 41.3131, 40.4360,
43.5714

Harmonies

Analogous

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



20.3867, 29.1766, 17.5559



18.8793, 29.1766, 28.6814



19.4921, 29.1766, 44.7945

Triad

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



18.8793, 29.1766, 28.6814



31.9691, 29.1766, 66.1859



34.1394, 29.1766, 13.7432

Complementary

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



18.8793, 29.1766, 28.6814



17.2269, 9.8445, 6.1477

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.



38.0165, 29.1766, 21.5494



18.8793, 29.1766, 28.6814



36.6573, 29.1766, 52.1141

Square

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



18.8793, 29.1766, 28.6814



26.6315, 29.1766, 69.9135



38.9914, 29.1766, 35.0692



28.8613, 29.1766, 10.8623

Rectangle

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



18.8793, 29.1766, 28.6814



21.0642, 29.1766, 56.1183



38.9914, 29.1766, 35.0692



35.6752, 29.1766, 15.7320

Sweetspot

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



18.8801, 29.1777, 28.6821



50.4567, 60.5292, 65.9259



16.0894, 28.2267, 6.5203



10.6707, 13.0519, 14.1851



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.



18.8801, 29.1777, 28.6821



31.7742, 51.2922, 47.2397



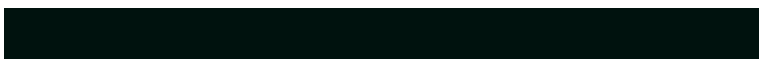
15.5191, 18.9288, 38.4343



7.2108, 7.9851, 8.7219



13.2277, 21.5774, 19.4474



0.2933, 0.4595, 0.4896

Inverse Universe

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



17.2269, 9.8445, 6.1477



28.7915, 15.0510, 5.5754



18.3801, 13.1384, 3.4872



7.1330, 7.1097, 7.6869



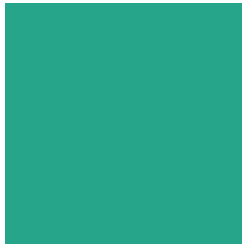
11.9881, 6.1513, 1.8621



0.2676, 0.1355, 0.1219

Previews

White Background



This preview shows how the XYZ color 18.8793, 29.1766, 28.6814 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 18.8793, 29.1766, 28.6814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

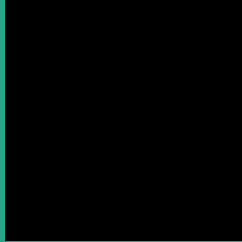
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.8793, 29.1766, 28.6814

Background



This preview shows how black text looks on a background with the XYZ color 18.8793, 29.1766, 28.6814.

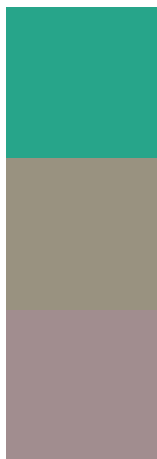


This preview shows how white text looks on a background with the XYZ color 18.8793, 29.1766,

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

18.8793, 29.1766, 28.6814

Protanopia

27.3120, 28.8886, 24.5586

Deuteranopia

29.1807, 28.6100, 29.9709



Tritanopia

21.9173, 29.0885, 43.9947

Trichromacy



Original Color

18.8793, 29.1766, 28.6814



Protanomaly

22.2382, 27.8932, 26.0416



Deuteranomaly

23.0502, 27.5177, 29.2959



Tritanomaly

20.6817, 29.1088, 37.7862

Monochromacy



Original Color

18.8793, 29.1766, 28.6814



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

17.7093, 22.3774, 24.1548

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8793, 29.1766, 28.6814 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(39, 165, 138)` looks like.

```
.text, #text, p{  
    color:rgb(39, 165, 138)  
}
```

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(39, 165, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 165, 138) }
```

Border

The CSS property to change the border of an element to XYZ 18.8793, 29.1766, 28.6814 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(39, 165, 138) }
```


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

```
.border{ border-color:rgb(39, 165, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 165, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 165, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 165, 138);  
box-shadow:4px 4px 4px 4px rgb(39, 165,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8793, 29.1766, 28.6814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 165, 138) }
```

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

```
.background{ background-color: rgb(39, 165,  
138) }
```

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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