

Converting Colors

XYZ(18.3400, 28.5476, 28.3037)

Have a look what the booklet for
XYZ(18.3400, 28.5476, 28.3037)
contains.

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Color

**XYZ(18.3865, 28.6641,
28.2306)**

Conversions

Conversions Part 1

Format	Color
Hex	20A489
RGB	32, 164, 137
RGB Percent	13%, 64%, 54%
CMY	0.8745, 0.3569, 0.4627
CMYK	0.80, 0.00, 0.16, 0.36
HSL	168°, 67%, 38%
HSV	168°, 80%, 64%
XYZ	18.3865, 28.6641, 28.2306
YIQ	121.4540, -70.0050, -36.3810

Conversions

Conversions Part 2

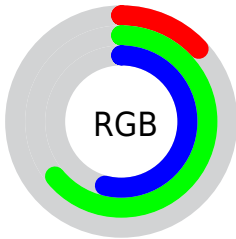
Format	Color
R_{YB}	32, 106, 164
Decimal	2139273
CIE _{Lab}	60.48, -40.50, 4.34
CIE _{LCh}	60, 40.732, 173.887
Y _{xy}	28.6641, 0.2442, 0.3808
Android (android.graphics.Color)	4280329353 (0xFF20A489)
YUV	121.4540, 7.6642, -78.4512
Hunter-Lab	53.5389, -32.3919, 6.2141

Details

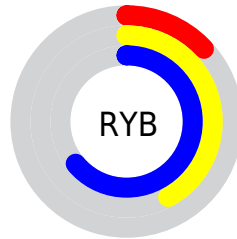
The XYZ color **18.3865, 28.6641, 28.2306** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **16.6168, 9.2422, 5.0471**, and the grayscale version is **18.3143, 19.2681, 20.9830**.

A 20% lighter version of the original color is **40.2543, 57.6708, 57.7252**, and **7.4047, 12.0570, 10.9538** is the 20% darker color. If you saturate the color by 10%, you get **17.7614, 28.3699, 26.9650**, and if you desaturate by 10%, it is **19.2742, 29.0942, 29.5488**.

Distribution



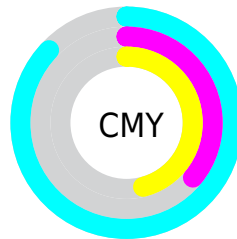
- Red (13%)
- Green (64%)
- Blue (54%)



- Red (13%)
- Yellow (42%)
- Blue (64%)



- Cyan (80%)
- Magenta (0%)
- Yellow (16%)
- Black (36%)



- Cyan (87%)
- Magenta (36%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3865, 28.6641, 28.2306 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 18.3865, 28.6641, 28.2306 by changing the saturation by 10% instead.

■ 18.3865, 28.6641,
28.2306

■ 18.3865, 28.6641,
28.2306

■ 236.0443,
295.6268, 307.5137

■ 11.3292, 18.8269,
18.2590

■ 40.2198, 57.5430,
57.8799

■ 6.3576, 11.5452,
10.9647

■ 55.7264, 77.3534,
78.3947

■ 3.1065, 6.4348,
5.9293

■ 74.7803, 101.2570,
103.2610

■ 1.2103, 3.1112,
2.7340

■ 97.7466, 129.6382,
132.8973

■ 0.1145, 1.1901,
0.9605

■ 124.9908,
162.8814, 167.7222

■ 0.0000, 0.0536,
0.0000

■ 156.8783,

■ 0.0000, 0.0000,

201.3710, 208.1542

0.0000

193.7743,
245.4913, 254.6119

■ 18.3865, 28.6641,
28.2306

■ 18.3865, 28.6641,
28.2306

■ 17.7614, 28.3699,
26.9650

■ 19.2742, 29.0942,
29.5488

■ 17.3357, 28.1757,
25.8038

■ 20.4553, 29.6739,
30.9195

■ 21.9589, 30.4191,
32.3451

■ 23.8099, 31.3424,
33.8270

■ 26.0307, 32.4555,
35.3667

■ 28.6419, 33.7689,
36.9653

■ 31.6624, 35.2925,
38.6242

■ 35.1098, 37.0352,
40.3445

■ 39.0010, 39.0058,
42.1273

Harmonies

Analogous

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



19.8736, 28.6641, 17.0797



18.3865, 28.6641, 28.2306



19.0148, 28.6641, 44.4470

Triad

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



18.3865, 28.6641, 28.2306



31.5414, 28.6641, 65.8254



33.6401, 28.6641, 13.1916

Complementary

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



18.3865, 28.6641, 28.2306



16.6168, 9.2422, 5.0471

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.



37.5601, 28.6641, 20.9031



18.3865, 28.6641, 28.2306



36.2437, 28.6641, 51.5472

Square

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



18.3865, 28.6641, 28.2306



26.1830, 28.6641, 69.7025



38.5693, 28.6641, 34.3927



28.3340, 28.6641, 10.3816

Rectangle

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



18.3865, 28.6641, 28.2306



20.5952, 28.6641, 55.8586



38.5693, 28.6641, 34.3927



35.1896, 28.6641, 15.1480

Sweetspot

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



18.3873, 28.6652, 28.2313



50.0201, 60.3035, 65.9315



15.4371, 27.6358, 5.8878



10.5884, 13.0091, 14.1998



78.6606, 82.7571, 90.1225



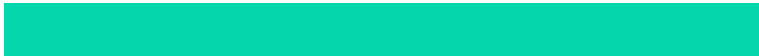
14.0027, 14.7319, 16.0430

Same Dimension

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



18.3873, 28.6652, 28.2313



31.5950, 51.2028, 47.0952



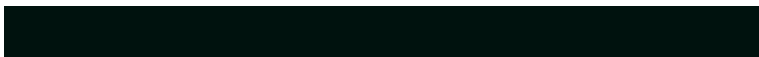
14.8354, 18.0644, 37.8280



7.2137, 7.9863, 8.7373



13.3091, 21.6100, 19.8760



0.2945, 0.4600, 0.4958

Inverse Universe

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



16.6168, 9.2422, 5.0471



28.4126, 14.6869, 4.2352



17.7244, 12.3036, 2.8078



7.1303, 7.1086, 7.6725



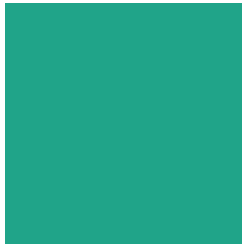
11.9698, 6.1440, 1.7655



0.2667, 0.1352, 0.1169

Previews

White Background



This preview shows how the XYZ color 18.3865, 28.6641, 28.2306 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 18.3865, 28.6641, 28.2306 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

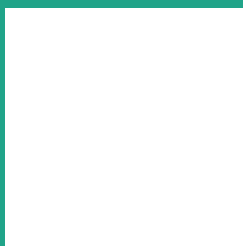
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.3865, 28.6641, 28.2306

Background



This preview shows how black text looks on a background with the XYZ color 18.3865, 28.6641, 28.2306.

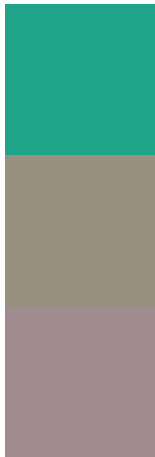


This preview shows how white text looks on a background with the XYZ color 18.3865, 28.6641,

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

18.3865, 28.6641, 28.2306

Protanopia

26.7529, 28.1542, 24.1030

Deuteranopia

28.7578, 28.1827, 29.5153



Tritanopia

21.4201, 28.5871, 43.4186

Trichromacy



Original Color

18.3865, 28.6641, 28.2306

Protanomaly

21.3477, 26.9601, 25.5514

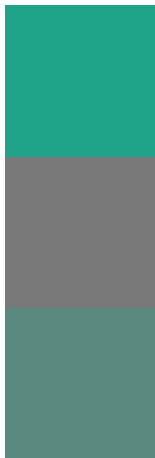
Deuteranomaly

22.2911, 26.8991, 28.8281

Tritanomaly

20.1752, 28.5973, 37.2574

Monochromacy



Original Color

18.3865, 28.6641, 28.2306

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

16.8962, 21.5475, 23.3472

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3865, 28.6641, 28.2306 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(32, 164, 137)` looks like.

```
.text, #text, p{  
    color:rgb(32, 164, 137)  
}
```

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(32, 164, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 164, 137) }
```

Border

The CSS property to change the border of an element to XYZ 18.3865, 28.6641, 28.2306 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(32, 164, 137) }
```


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

```
.border{ border-color:rgb(32, 164, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 164, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 164, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 164, 137);  
box-shadow:4px 4px 4px 4px rgb(32, 164,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3865, 28.6641, 28.2306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 164, 137) }
```

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

```
.background{ background-color: rgb(32, 164,  
137) }
```

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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