

Converting Colors

XYZ(20.2975, 32.9806, 27.8965)

Have a look what the booklet for
XYZ(20.2975, 32.9806, 27.8965)
contains.

XYZ(20.3073, 33.0188, 27.8572)	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(20.3073, 33.0188,
27.8572)**

Conversions

Conversions Part 1

Format	Color
Hex	1CB086
RGB	28, 176, 134
RGB Percent	11%, 69%, 53%
CMY	0.8902, 0.3098, 0.4745
CMYK	0.84, 0.00, 0.24, 0.31
HSL	163°, 73%, 40%
HSV	163°, 84%, 69%
XYZ	20.3073, 33.0188, 27.8572
YIQ	126.9600, -74.7260, -44.4380

Conversions

Conversions Part 2

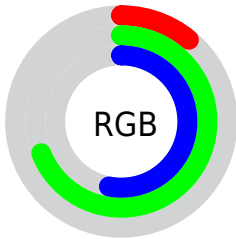
Format	Color
RYB	28, 114, 176
Decimal	1880198
CIELab	64.18, -46.68, 11.27
CIELCh	64, 48.017, 166.428
Yxy	33.0188, 0.2501, 0.4067
Android (android.graphics.Color)	4280070278 (0xFF1CB086)
YUV	126.9600, 3.4707, -86.7879
Hunter-Lab	57.4620, -37.4759, 11.4800

Details

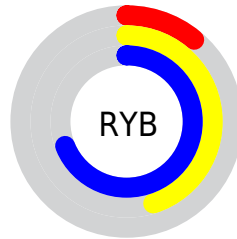
The XYZ color **20.3073, 33.0188, 27.8572** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **19.4264, 10.5036, 6.7994**, and the grayscale version is **20.1671, 21.2174, 23.1057**.

A 20% lighter version of the original color is **43.5880, 64.6905, 57.2029**, and **8.5598, 14.5592, 10.7466** is the 20% darker color. If you saturate the color by 10%, you get **19.6191, 32.7042, 26.0496**, and if you desaturate by 10%, it is **21.2950, 33.4876, 29.7662**.

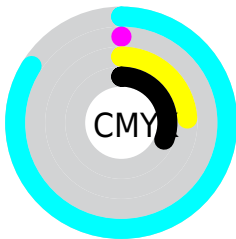
Distribution



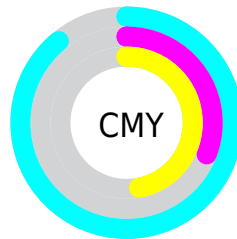
- Red (11%)
- Green (69%)
- Blue (53%)



- Red (11%)
- Yellow (45%)
- Blue (69%)



- Cyan (84%)
- Magenta (0%)
- Yellow (24%)
- Black (31%)



- Cyan (89%)
- Magenta (31%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3073, 33.0188, 27.8572 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 20.3073, 33.0188, 27.8572 by changing the saturation by 10% instead.

■ 20.3073, 33.0188,
27.8572

■ 20.3073, 33.0188,
27.8572

246.3759,
315.7344, 305.6744

■ 12.7282, 22.1408,
17.9799

■ 43.4318, 64.4049,
57.2767

■ 7.3173, 13.9604,
10.7663

■ 59.7079, 85.6818,
77.6561

■ 3.7094, 8.0931,
5.7977

■ 79.6137, 111.1938,
102.3732

■ 1.5391, 4.1546,
2.6557

■ 103.5146,
141.3254, 131.8466

■ 0.3522, 1.7604,
0.9210

■ 131.7759,
176.4608, 166.4949

■ 0.0000, 0.4623,
0.0000

■ 164.7630,

■ 0.0000, 0.0000,

216.9845, 206.7366

0.0000

202.8412,
263.2809, 252.9903

■ 20.3073, 33.0188,
27.8572

■ 20.3073, 33.0188,
27.8572

■ 19.6191, 32.7042,
26.0496

■ 21.2950, 33.4876,
29.7662

■ 19.2952, 32.5596,
25.0242

■ 22.6225, 34.1288,
31.7774

■ 24.3266, 34.9622,
33.8944

■ 26.4384, 36.0038,
36.1198

■ 28.9856, 37.2679,
38.4559

■ 31.9936, 38.7674,
40.9051

■ 35.4857, 40.5146,
43.4695

■ 39.4836, 42.5204,
46.1510

■ 44.0078, 44.7953,
48.9517

Harmonies

Analogous

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



22.8278, 33.0188, 15.8179



20.3073, 33.0188, 27.8572



20.4338, 33.0188, 47.6220

Triad

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



20.3073, 33.0188, 27.8572



35.2302, 33.0188, 85.1896



41.2912, 33.0188, 15.0665

Complementary

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



20.3073, 33.0188, 27.8572



19.4264, 10.5036, 6.7994

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.



45.6774, 33.0188, 26.3634



20.3073, 33.0188, 27.8572



41.8471, 33.0188, 68.4511

Square

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



20.3073, 33.0188, 27.8572



28.4125, 33.0188, 86.0513



45.8945, 33.0188, 45.4799



34.5544, 33.0188, 10.4464

Rectangle

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



20.3073, 33.0188, 27.8572



21.9907, 33.0188, 63.1029



45.8945, 33.0188, 45.4799



43.1294, 33.0188, 17.9783

Sweetspot

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



20.3082, 33.0201, 27.8580



57.2364, 69.9156, 73.5736



18.4385, 32.5291, 6.4060



11.9868, 14.9437, 15.6119



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



20.3082, 33.0201, 27.8580



34.8919, 59.0094, 44.8471



18.6571, 24.0642, 44.7374



8.6378, 9.5896, 10.3521



14.1828, 23.8991, 18.4972



0.4698, 0.7614, 0.7058

Inverse Universe

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



19.4264, 10.5036, 6.7994



33.4309, 17.1236, 6.5644



19.6082, 12.3009, 2.4399



8.5922, 8.5436, 9.3511



13.5807, 6.9498, 2.9520



0.4530, 0.2289, 0.2281

Previews

White Background



This preview shows how the XYZ color 20.3073, 33.0188, 27.8572 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 20.3073, 33.0188, 27.8572 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 ✓ Pass

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

XYZ 20.3073, 33.0188, 27.8572

Background



This preview shows how black text looks on a background with the XYZ color 20.3073, 33.0188, 27.8572.

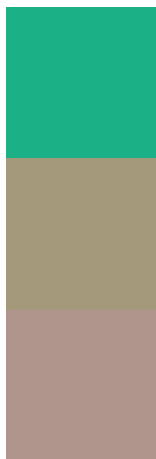


This preview shows how white text looks on a background with the XYZ color 20.3073, 33.0188,

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

20.3073, 33.0188, 27.8572

Protanopia

30.4406, 32.4338, 23.3948

Deuteranopia

33.1603, 32.5023, 29.3368



Tritanopia

24.6597, 32.7869, 49.8286

Trichromacy



Original Color

20.3073, 33.0188, 27.8572



Protanomaly

23.8213, 31.0178, 24.8102



Deuteranomaly

25.0116, 30.7688, 28.6655



Tritanomaly

22.8107, 32.8746, 40.7405

Monochromacy



Original Color

20.3073, 33.0188, 27.8572



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

18.4690, 24.0867, 24.7949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3073, 33.0188, 27.8572 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(28, 176, 134)` looks like.

```
.text, #text, p{  
    color:rgb(28, 176, 134)  
}
```

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(28, 176, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 176, 134) }
```

Border

The CSS property to change the border of an element to XYZ 20.3073, 33.0188, 27.8572 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(28, 176, 134) }
```


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

```
.border{ border-color:rgb(28, 176, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 176, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 176, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 176, 134);  
box-shadow:4px 4px 4px 4px rgb(28, 176,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3073, 33.0188, 27.8572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 176, 134) }
```

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

```
.background{ background-color: rgb(28, 176,  
134) }
```

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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