

Converting Colors

XYZ(20.0438, 32.6006, 27.4318)

Have a look what the booklet for
XYZ(20.0438, 32.6006, 27.4318)
contains.

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Color

**XYZ(20.0425, 32.6003,
27.4264)**

Conversions

Conversions Part 1

Format	Color
Hex	1CAF85
RGB	28, 175, 133
RGB Percent	11%, 69%, 52%
CMY	0.8902, 0.3137, 0.4784
CMYK	0.84, 0.00, 0.24, 0.31
HSL	163°, 72%, 40%
HSV	163°, 84%, 69%
XYZ	20.0425, 32.6003, 27.4264
YIQ	126.2590, -74.1300, -44.2260

Conversions

Conversions Part 2

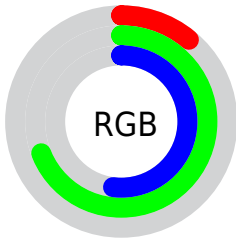
Format	Color
R_{YB}	28, 114, 175
Decimal	1879941
CIE _{Lab}	63.84, -46.51, 11.34
CIE _{LCh}	64, 47.877, 166.299
Yxy	32.6003, 0.2503, 0.4072
Android (android.graphics.Color)	4280070021 (0xFF1CAF85)
YUV	126.2590, 3.3233, -86.1731
Hunter-Lab	57.0967, -37.2608, 11.4877

Details

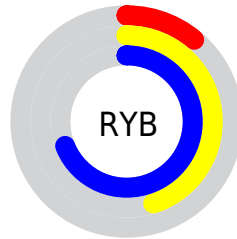
The XYZ color **20.0425, 32.6003, 27.4264** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **19.2011, 10.3875, 6.7889**, and the grayscale version is **19.9277, 20.9655, 22.8314**.

A 20% lighter version of the original color is **42.8057, 63.4637, 56.4480**, and **8.3987, 14.2993, 10.5010** is the 20% darker color. If you saturate the color by 10%, you get **19.3585, 32.2875, 25.6342**, and if you desaturate by 10%, it is **21.0228, 33.0656, 29.3198**.

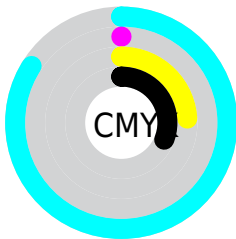
Distribution



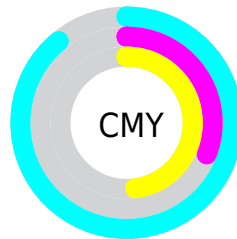
- Red (11%)
- Green (69%)
- Blue (52%)



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



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





- Cyan (89%)
- Magenta (31%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.0425, 32.6003, 27.4264 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 20.0425, 32.6003, 27.4264 by changing the saturation by 10% instead.


 20.0425, 32.6003,
27.4264


 20.0425, 32.6003,
27.4264


244.9743,
313.8448, 303.5410


 12.5344, 21.8204,
17.6585


 42.9918, 63.7510,
56.5794


 7.1835, 13.7250,
10.5382


 59.1637, 84.8906,
76.8015


 3.6245, 7.9297,
5.6470


 78.9543, 110.2522,
101.3454

 1.4920, 4.0500,
2.5663

 102.7289,
140.2203, 130.6297

 0.3204, 1.7016,
0.8750

 130.8528,
175.1792, 165.0728

 0.0000, 0.4247,
0.0000

 163.6914,

 0.0000, 0.0000,

215.5133, 205.0934

0.0000

201.6101,
261.6071, 251.1100

■ 20.0425, 32.6003,
27.4264

■ 20.0425, 32.6003,
27.4264

■ 19.3585, 32.2875,
25.6342

■ 21.0228, 33.0656,
29.3198

■ 19.0321, 32.1417,
24.6025

■ 22.3391, 33.7014,
31.3151

■ 24.0274, 34.5270,
33.4161

■ 26.1186, 35.5583,
35.6252

■ 28.6398, 36.8093,
37.9448

■ 31.6161, 38.2929,
40.3771

■ 35.0706, 40.0209,
42.9244

■ 39.0245, 42.0044,
45.5885

■ 43.4979, 44.2536,
48.3715

Harmonies

Analogous

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



22.5445, 32.6003, 15.5631



20.0425, 32.6003, 27.4264



20.1563, 32.6003, 46.9393

Triad

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



20.0425, 32.6003, 27.4264



34.7589, 32.6003, 84.2356



40.8073, 32.6003, 14.8876

Complementary

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



20.0425, 32.6003, 27.4264



19.2011, 10.3875, 6.7889

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.



45.1302, 32.6003, 26.0827



20.0425, 32.6003, 27.4264



41.3076, 32.6003, 67.7281

Square

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



20.0425, 32.6003, 27.4264



28.0223, 32.6003, 85.0115



45.3255, 32.6003, 45.0114



34.1508, 32.6003, 10.3015

Rectangle

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



20.0425, 32.6003, 27.4264



21.6875, 32.6003, 62.2485



45.3255, 32.6003, 45.0114



42.6212, 32.6003, 17.7741

Sweetspot

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



20.0434, 32.6016, 27.4272



55.8040, 68.1706, 71.6731



18.2207, 32.1268, 6.3399



11.9834, 14.9423, 15.5939



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.



20.0434, 32.6016, 27.4272



33.9861, 57.5231, 43.5421



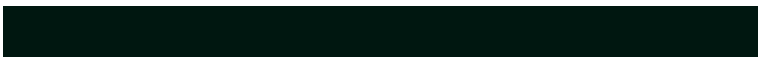
18.4352, 23.7781, 44.1770



8.1373, 9.0325, 9.7479



13.6565, 23.0279, 17.7626



0.4019, 0.6494, 0.6099

Inverse Universe

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



19.2011, 10.3875, 6.7889



32.6125, 16.7027, 6.4829



19.3729, 12.1648, 2.4261



8.0958, 8.0516, 8.8155



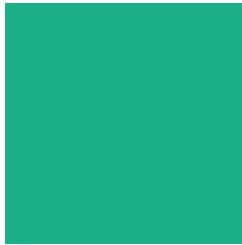
13.0965, 6.7011, 2.8876



0.3881, 0.1959, 0.2057

Previews

White Background



This preview shows how the XYZ color 20.0425, 32.6003, 27.4264 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 20.0425, 32.6003, 27.4264 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 20.0425, 32.6003, 27.4264

Background



This preview shows how black text looks on a background with the XYZ color 20.0425, 32.6003, 27.4264.



This preview shows how white text looks on a background with the XYZ color 20.0425, 32.6003,

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

20.0425, 32.6003, 27.4264

Protanopia

30.0083, 31.9741, 23.0024

Deuteranopia

32.7057, 32.0426, 28.8872



Tritanopia

24.3706, 32.3748, 49.2205

Trichromacy



Original Color

20.0425, 32.6003, 27.4264



Protanomaly

23.4502, 30.5735, 24.4040



Deuteranomaly

24.6274, 30.3248, 28.2222



Tritanomaly

22.5304, 32.4591, 40.1997

Monochromacy



Original Color

20.0425, 32.6003, 27.4264



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

18.1522, 23.7052, 24.3877

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0425, 32.6003, 27.4264 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, 175, 133)` looks like.

```
.text, #text, p{  
    color:rgb(28, 175, 133)  
}
```

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, 175, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 175, 133) }
```

Border

The CSS property to change the border of an element to XYZ 20.0425, 32.6003, 27.4264 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, 175, 133) }
```


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

```
.border{ border-color:rgb(28, 175, 133) }
```

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

Here you see how a box with a 4 pixel rgb(28, 175, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 175, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 175, 133);  
box-shadow:4px 4px 4px 4px rgb(28, 175,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0425, 32.6003, 27.4264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 175, 133) }
```

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

```
.background{ background-color: rgb(28, 175,  
133) }
```

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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