

Converting Colors

XYZ(14.1070, 33.1212, 19.7802)

Have a look what the booklet for
XYZ(14.1070, 33.1212, 19.7802)
contains.

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Color

**XYZ(20.2657, 36.2005,
20.1066)**

Conversions

Conversions Part 1

Format	Color
Hex	00BA6C
RGB	0, 186, 108
RGB Percent	0%, 73%, 42%
CMY	0.9999, 0.2706, 0.5765
CMYK	1.00, 0.00, 0.42, 0.27
HSL	155°, 100%, 36%
HSV	155°, 100%, 73%
XYZ	20.2657, 36.2005, 20.1066
YIQ	121.4940, -85.8180, -63.6900

Conversions

Conversions Part 2

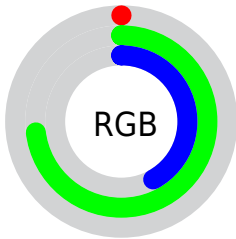
Format	Color
RYB	0, 118, 186
Decimal	47724
CIELab	66.67, -57.64, 28.65
CIELCh	67, 64.369, 153.572
Yxy	36.2005, 0.2647, 0.4728
Android (android.graphics.Color)	4278237804 (0xFF00BA6C)
YUV	121.4940, -6.6525, -106.5502
Hunter-Lab	60.1669, -45.1687, 22.3032

Details

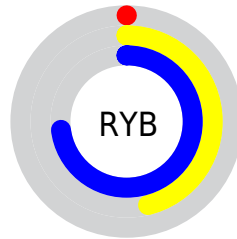
The XYZ color **20.2657, 36.2005, 20.1066** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **21.6263, 10.9901, 8.1923**, and the grayscale version is **18.3768, 19.3338, 21.0545**.

A 20% lighter version of the original color is **43.2196, 69.1260, 44.3225**, and **8.9057, 16.5484, 6.8624** is the 20% darker color. If you saturate the color by 10%, you get **20.2661, 36.2017, 20.1056**, and if you desaturate by 10%, it is **20.9616, 36.5101, 22.4053**.

Distribution



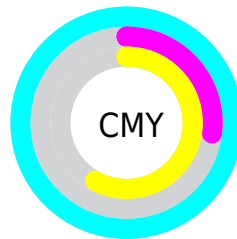
- Red (0%)
- Green (73%)
- Blue (42%)



- Red (0%)
- Yellow (46%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (27%)



- Cyan (100%)
- Magenta (27%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2657, 36.2005, 20.1066 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 20.2657, 36.2005, 20.1066 by changing the saturation by 10% instead.

■ 20.2657, 36.2005,
20.1066

■ 20.2657, 36.2005,
20.1066

246.1561,
329.8360, 265.1149

■ 12.6977, 24.5891,
12.2877

■ 43.3628, 69.3414,
44.4572

■ 7.2963, 15.7712,
6.8150

■ 59.6225, 91.6397,
61.8259

■ 3.6960, 9.3624,
3.2700

■ 79.5103, 118.2691,
83.2150

■ 1.5317, 4.9783,
1.2341

■ 103.3914,
149.6139, 109.0430

■ 0.3472, 2.2345,
0.0068

■ 131.6311,
186.0587, 139.7285

■ 0.0000, 0.7387,
0.0000

■ 164.5950,

■ 0.0000, 0.0000,

227.9877, 175.6899

0.0000

202.6482,
275.7853, 217.3459

■ 20.2657, 36.2005,
20.1066

■ 20.2657, 36.2005,
20.1066

■ 20.2661, 36.2017,
20.1056

■ 20.9616, 36.5101,
22.4053

■ 21.9433, 36.9616,
24.9154

■ 23.3044, 37.6042,
27.6467

■ 25.0910, 38.4616,
30.6061

■ 27.3424, 39.5539,
33.7997

■ 30.0932, 40.8988,
37.2334

■ 33.3746, 42.5124,
40.9128

■ 37.2151, 44.4093,
44.8433

■ 41.6413, 46.6030,
49.0300

Harmonies

Analogous

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



25.0923, 36.2005, 9.5652



20.2657, 36.2005, 20.1066



18.9515, 36.2005, 42.8381

Triad

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



20.2657, 36.2005, 20.1066



35.5824, 36.2005, 120.3414



52.3981, 36.2005, 16.6471

Complementary

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



20.2657, 36.2005, 20.1066



21.6263, 10.9901, 8.1923

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.



56.5734, 36.2005, 36.1816



20.2657, 36.2005, 20.1066



45.7825, 36.2005, 102.7477

Square

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



20.2657, 36.2005, 20.1066



26.7583, 36.2005, 109.1797



53.9510, 36.2005, 68.2791



43.3910, 36.2005, 8.3282

Rectangle

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



20.2657, 36.2005, 20.1066



19.9911, 36.2005, 64.8598



53.9510, 36.2005, 68.2791



54.4827, 36.2005, 21.6857

Sweetspot

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



20.2666, 36.2020, 20.1074



60.1672, 76.8939, 73.8068



20.9196, 36.8513, 6.0109



12.6729, 16.6493, 15.6211



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



20.2666, 36.2020, 20.1074



36.6085, 65.5660, 35.7902



23.9231, 33.6647, 51.6931



9.1031, 10.1452, 10.7001



13.6720, 24.3697, 13.7264



0.5121, 0.8712, 0.6427

Inverse Universe

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



21.6263, 10.9901, 8.1923



39.0821, 19.8728, 14.2418



20.3871, 10.7126, 0.9937



9.1567, 9.0730, 10.1724



14.5844, 7.4075, 5.6980



0.5452, 0.2736, 0.3644

Previews

White Background



This preview shows how the XYZ color 20.2657, 36.2005, 20.1066 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 20.2657, 36.2005, 20.1066 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 20.2657, 36.2005, 20.1066

Background



This preview shows how black text looks on a background with the XYZ color 20.2657, 36.2005, 20.1066.



This preview shows how white text looks on a background with the XYZ color 20.2657, 36.2005,

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

20.2657, 36.2005, 20.1066

Protanopia

32.8540, 35.6017, 16.6955

Deuteranopia

36.1938, 35.4485, 21.4576



Tritanopia

27.3132, 36.0412, 54.8073

Trichromacy



Original Color

20.2657, 36.2005, 20.1066



Protanomaly

23.4551, 33.1535, 17.7334



Deuteranomaly

24.6429, 32.6023, 20.6168



Tritanomaly

23.7505, 35.7293, 39.3629

Monochromacy



Original Color

20.2657, 36.2005, 20.1066



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

16.4782, 23.1549, 20.4305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2657, 36.2005, 20.1066 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(0, 186, 108)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 108)  
}
```

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(0, 186, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 108) }
```

Border

The CSS property to change the border of an element to XYZ 20.2657, 36.2005, 20.1066 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(0, 186, 108) }
```


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

```
.border{ border-color:rgb(0, 186, 108) }
```

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

Here you see how a box with a 4 pixel rgb(0, 186, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 108);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2657, 36.2005, 20.1066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 186, 108) }
```

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

```
.background{ background-color: rgb(0, 186,  
108) }
```

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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