

Converting Colors

XYZ(17.4575, 35.1216, 21.2623)

Have a look what the booklet for
XYZ(17.4575, 35.1216, 21.2623)
contains.

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Color

**XYZ(20.6950, 36.7105,
21.3243)**

Conversions

Conversions Part 1

Format	Color
Hex	00BB70
RGB	0, 187, 112
RGB Percent	0%, 73%, 44%
CMY	0.9999, 0.2667, 0.5608
CMYK	1.00, 0.00, 0.40, 0.27
HSL	156°, 100%, 37%
HSV	156°, 100%, 73%
XYZ	20.6950, 36.7105, 21.3243
YIQ	122.5370, -87.3770, -62.9690

Conversions

Conversions Part 2

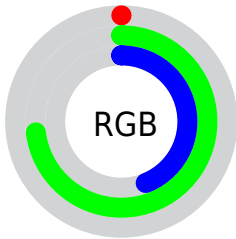
Format	Color
RYB	0, 117, 187
Decimal	47984
CIELab	67.06, -57.21, 27.06
CIELCh	67, 63.290, 154.687
Yxy	36.7105, 0.2629, 0.4663
Android (android.graphics.Color)	4278238064 (0xFF00BB70)
YUV	122.5370, -5.1947, -107.4649
Hunter-Lab	60.5892, -45.0622, 21.5454

Details

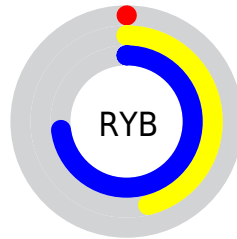
The XYZ color **20.6950, 36.7105, 21.3243** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **21.7651, 11.0738, 7.6503**, and the grayscale version is **18.7137, 19.6883, 21.4405**.

A 20% lighter version of the original color is **43.9813, 69.9231, 46.3004**, and **9.1485, 16.8614, 7.4750** is the 20% darker color. If you saturate the color by 10%, you get **20.6953, 36.7117, 21.3230**, and if you desaturate by 10%, it is **21.3941, 37.0216, 23.6298**.

Distribution



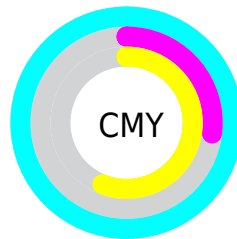
- Red (0%)
- Green (73%)
- Blue (44%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (27%)



- Cyan (100%)
- Magenta (27%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6950, 36.7105, 21.3243 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 20.6950, 36.7105, 21.3243 by changing the saturation by 10% instead.

■ 20.6950, 36.7105,
21.3243

■ 20.6950, 36.7105,
21.3243

248.4156,
332.0554, 271.8344

■ 13.0124, 24.9834,
13.1677

■ 44.0745, 70.1273,
46.5144

■ 7.5142, 16.0647,
7.4121

■ 60.5021, 92.5858,
64.3850

■ 3.8349, 9.5700,
3.6388

■ 80.5755, 119.3903,
86.3307

■ 1.6091, 5.1148,
1.4293

■ 104.6599,
150.9251, 112.7700

■ 0.3984, 2.3148,
0.1644

■ 133.1208,
187.5746, 144.1215

■ 0.0000, 0.7815,
0.0000

■ 166.3235,

■ 0.0000, 0.0000,

229.7232, 180.8037

0.0000

204.6333,
277.7554, 223.2352

■ 20.6950, 36.7105,
21.3243

■ 20.6950, 36.7105,
21.3243

■ 20.6953, 36.7117,
21.3230

■ 21.3941, 37.0216,
23.6298

■ 22.3800, 37.4755,
26.1339

■ 23.7469, 38.1215,
28.8458

■ 25.5414, 38.9837,
31.7717

■ 27.8033, 40.0824,
34.9174

■ 30.5675, 41.4357,
38.2882

■ 33.8655, 43.0596,
41.8893

■ 37.7261, 44.9689,
45.7255

■ 42.1761, 47.1773,
49.8017

Harmonies

Analogous

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



25.3852, 36.7105, 10.3120



20.6950, 36.7105, 21.3243



19.5079, 36.7105, 44.4603

Triad

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



20.6950, 36.7105, 21.3243



36.4263, 36.7105, 119.4721



52.4272, 36.7105, 16.7612

Complementary

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



20.6950, 36.7105, 21.3243



21.7651, 11.0738, 7.6503

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.



56.7754, 36.7105, 35.7955



20.6950, 36.7105, 21.3243



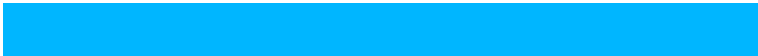
46.5182, 36.7105, 101.3035

Square

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



20.6950, 36.7105, 21.3243



27.5632, 36.7105, 109.5686



54.4360, 36.7105, 67.1821



43.4173, 36.7105, 8.6547

Rectangle

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



20.6950, 36.7105, 21.3243



20.6348, 36.7105, 66.4432



54.4360, 36.7105, 67.1821



54.5510, 36.7105, 21.6712

Sweetspot

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



20.6959, 36.7120, 21.3251



60.3353, 76.9611, 74.6920



20.9071, 37.1587, 6.0709



12.7140, 16.6657, 15.8375



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.



20.6959, 36.7120, 21.3251



36.9437, 65.7000, 37.5554



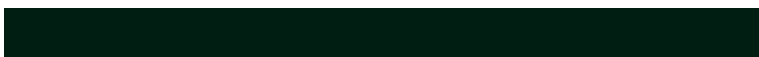
23.6128, 32.8732, 52.1161



9.6421, 10.7430, 11.3650



14.2952, 25.3084, 14.8831



0.5915, 1.0040, 0.7490

Inverse Universe

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



21.7651, 11.0738, 7.6503



38.8693, 19.7877, 13.1212



20.6738, 10.9241, 1.0194



9.6845, 9.5981, 10.7273



15.0291, 7.6428, 5.4467



0.6211, 0.3124, 0.3842

Previews

White Background



This preview shows how the XYZ color 20.6950, 36.7105, 21.3243 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 20.6950, 36.7105, 21.3243 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 20.6950, 36.7105, 21.3243

Background



This preview shows how black text looks on a background with the XYZ color 20.6950, 36.7105, 21.3243.



This preview shows how white text looks on a background with the XYZ color 20.6950, 36.7105,

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

20.6950, 36.7105, 21.3243

Protanopia

33.4501, 36.1471, 17.7844

Deuteranopia

36.5370, 35.8510, 22.4470



Tritanopia

27.8187, 36.8755, 55.5207

Trichromacy



Original Color

20.6950, 36.7105, 21.3243



Protanomaly

23.9745, 33.6771, 18.8724



Deuteranomaly

24.9971, 33.0360, 21.5821



Tritanomaly

24.1310, 36.2057, 40.3669

Monochromacy



Original Color

20.6950, 36.7105, 21.3243



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

16.7505, 23.5094, 21.1077

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6950, 36.7105, 21.3243 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, 187, 112)` looks like.

```
.text, #text, p{  
    color:rgb(0, 187, 112)  
}
```

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, 187, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 187, 112) }
```

Border

The CSS property to change the border of an element to XYZ 20.6950, 36.7105, 21.3243 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, 187, 112) }
```


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

```
.border{ border-color:rgb(0, 187, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 187, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 187, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 187, 112);  
box-shadow:4px 4px 4px 4px rgb(0, 187,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6950, 36.7105, 21.3243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 187, 112) }
```

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

```
.background{ background-color: rgb(0, 187,  
112) }
```

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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