

Converting Colors

XYZ(16.4541, 33.8709, 20.5239)

Have a look what the booklet for
XYZ(16.4541, 33.8709, 20.5239)
contains.

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Color

**XYZ(20.1634, 35.8237,
20.6038)**

Conversions

Conversions Part 1

Format	Color
Hex	00B96E
RGB	0, 185, 110
RGB Percent	0%, 73%, 43%
CMY	1.0000, 0.2745, 0.5686
CMYK	1.00, 0.00, 0.41, 0.27
HSL	156°, 100%, 36%
HSV	156°, 100%, 73%
XYZ	20.1634, 35.8237, 20.6038
YIQ	121.1350, -86.1850, -62.5450

Conversions

Conversions Part 2

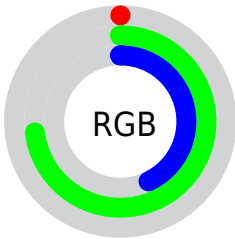
Format	Color
RYB	0, 116, 185
Decimal	47470
CIELab	66.38, -56.90, 27.22
CIELCh	66, 63.080, 154.435
Yxy	35.8237, 0.2633, 0.4677
Android (android.graphics.Color)	4278237550 (0xFF00B96E)
YUV	121.1350, -5.4896, -106.2354
Hunter-Lab	59.8529, -44.6090, 21.4870

Details

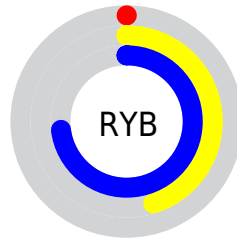
The XYZ color **20.1634, 35.8237, 20.6038** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **21.2788, 10.8230, 7.6259**, and the grayscale version is **18.2561, 19.2069, 20.9163**.

A 20% lighter version of the original color is **43.0976, 68.5997, 45.1520**, and **8.8249, 16.3022, 7.0964** is the 20% darker color. If you saturate the color by 10%, you get **20.1640, 35.8250, 20.6036**, and if you desaturate by 10%, it is **20.8492, 36.1290, 22.8597**.

Distribution



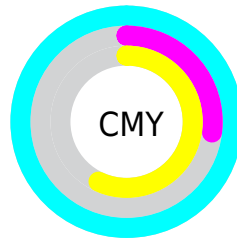
- Red (0%)
- Green (73%)
- Blue (43%)



- Red (0%)
- Yellow (45%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (41%)
- Black (27%)





- Cyan (100%)
- Magenta (27%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.1634, 35.8237, 20.6038 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 20.1634, 35.8237, 20.6038 by changing the saturation by 10% instead.


 20.1634, 35.8237,
20.6038


 20.1634, 35.8237,
20.6038


245.6151,
328.1893, 267.8769


 12.6228, 24.2981,
12.6463


 43.1928, 68.7599,
45.2994


 7.2445, 15.5549,
7.0576


 59.4124, 90.9392,
62.8746


 3.6632, 9.2097,
3.4191


 79.2557, 117.4385,
84.4927

 1.5134, 4.8782,
1.3124

 103.0880,
148.6423, 110.5724

 0.3349, 2.1760,
0.0719

 131.2747,
184.9348, 141.5321

 0.0000, 0.7069,
0.0000

 164.1813,

 0.0000, 0.0000,

226.7006, 177.7904

0.0000

202.1729,
274.3240, 219.7658

■ 20.1634, 35.8237,
20.6038

■ 20.1634, 35.8237,
20.6038

■ 20.1640, 35.8250,
20.6036

■ 20.8492, 36.1290,
22.8597

■ 21.8148, 36.5735,
25.3127

■ 23.1526, 37.2057,
27.9720

■ 24.9084, 38.0491,
30.8439

■ 27.1206, 39.1234,
33.9339

■ 29.8233, 40.4462,
37.2475

■ 33.0473, 42.0331,
40.7898

■ 36.8207, 43.8987,
44.5657

■ 41.1694, 46.0562,
48.5799

Harmonies

Analogous

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



24.7848, 35.8237, 9.9275



20.1634, 35.8237, 20.6038



18.9732, 35.8237, 43.1645

Triad

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



20.1634, 35.8237, 20.6038



35.4720, 35.8237, 117.1430



51.3146, 35.8237, 16.3817

Complementary

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



20.1634, 35.8237, 20.6038



21.2788, 10.8230, 7.6259

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.



55.5335, 35.8237, 35.1234



20.1634, 35.8237, 20.6038



45.3753, 35.8237, 99.4815

Square

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



20.1634, 35.8237, 20.6038



26.8040, 35.8237, 107.1738



53.1814, 35.8237, 66.0031



42.4951, 35.8237, 8.3993

Rectangle

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



20.1634, 35.8237, 20.6038



20.0570, 35.8237, 64.6940



53.1814, 35.8237, 66.0031



53.3851, 35.8237, 21.2162

Sweetspot

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



20.1643, 35.8251, 20.6046



58.8766, 75.1259, 72.7276



20.4175, 36.2808, 5.9270



12.1512, 15.9288, 15.0977



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



20.1643, 35.8251, 20.6046



35.9935, 64.1123, 36.2742



23.0548, 32.0978, 50.8811



9.1084, 10.1473, 10.7281



13.7662, 24.4074, 14.2226



0.5151, 0.8724, 0.6584

Inverse Universe

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



21.2788, 10.8230, 7.6259



37.9995, 19.3392, 13.0834



20.1853, 10.6685, 0.9956



9.1515, 9.0710, 10.1450



14.5224, 7.3827, 5.3715



0.5428, 0.2726, 0.3520

Previews

White Background



This preview shows how the XYZ color 20.1634, 35.8237, 20.6038 looks on a white background.

Color Contrast Check

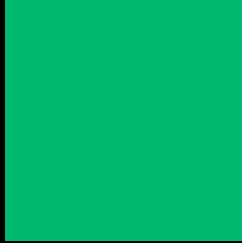
Large Text (above 18pt) WCAG AA × Fail

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 20.1634, 35.8237, 20.6038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

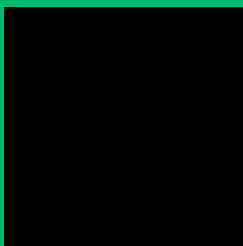
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

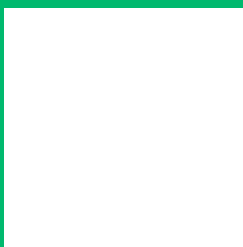
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.1634, 35.8237, 20.6038

Background



This preview shows how black text looks on a background with the XYZ color 20.1634, 35.8237, 20.6038.



This preview shows how white text looks on a background with the XYZ color 20.1634, 35.8237,

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

20.1634, 35.8237, 20.6038

Protanopia

32.5503, 35.1757, 17.1306

Deuteranopia

36.0017, 35.3427, 21.7540



Tritanopia

27.1343, 35.9617, 54.2264

Trichromacy



Original Color

20.1634, 35.8237, 20.6038



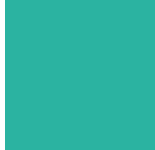
Protanomaly

23.2422, 32.7549, 18.1940



Deuteranomaly

24.3776, 32.1901, 20.8481



Tritanomaly

23.5494, 35.3270, 39.2958

Monochromacy



Original Color

20.1634, 35.8237, 20.6038



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

16.2447, 22.8087, 20.3759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1634, 35.8237, 20.6038 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, 185, 110)` looks like.

```
.text, #text, p{  
    color:rgb(0, 185, 110)  
}
```

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, 185, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 185, 110) }
```

Border

The CSS property to change the border of an element to XYZ 20.1634, 35.8237, 20.6038 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, 185, 110) }
```


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

```
.border{ border-color:rgb(0, 185, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 185, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 185, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 185, 110);  
box-shadow:4px 4px 4px 4px rgb(0, 185,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1634, 35.8237, 20.6038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 185, 110) }
```

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

```
.background{ background-color: rgb(0, 185,  
110) }
```

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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