

Converting Colors

XYZ(20.1630, 36.2101, 19.4102)

Have a look what the booklet for
XYZ(20.1630, 36.2101, 19.4102)
contains.

XYZ(20.1087, 36.1377, 19.2800)	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(20.1087, 36.1377,
19.2800)**

Conversions

Conversions Part 1

Format	Color
Hex	00BA69
RGB	0, 186, 105
RGB Percent	0%, 73%, 41%
CMY	1.0000, 0.2706, 0.5882
CMYK	1.00, 0.00, 0.44, 0.27
HSL	154°, 100%, 36%
HSV	154°, 100%, 73%
XYZ	20.1087, 36.1377, 19.2800
YIQ	121.1520, -84.8550, -64.6230

Conversions

Conversions Part 2

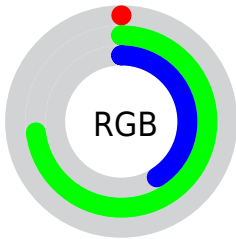
Format	Color
RYB	0, 119, 186
Decimal	47721
CIELab	66.63, -58.21, 30.15
CIELCh	67, 65.553, 152.619
Yxy	36.1377, 0.2662, 0.4785
Android (android.graphics.Color)	4278237801 (0xFF00BA69)
YUV	121.1520, -7.9629, -106.2503
Hunter-Lab	60.1146, -45.4913, 23.0647

Details

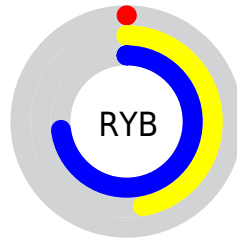
The XYZ color **20.1087, 36.1377, 19.2800** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **21.7363, 11.0340, 8.7713**, and the grayscale version is **18.2694, 19.2208, 20.9315**.

A 20% lighter version of the original color is **42.9603, 69.0223, 42.9567**, and **8.8301, 16.5181, 6.4643** is the 20% darker color. If you saturate the color by 10%, you get **20.1092, 36.1390, 19.2794**, and if you desaturate by 10%, it is **20.8070, 36.4483, 21.5917**.

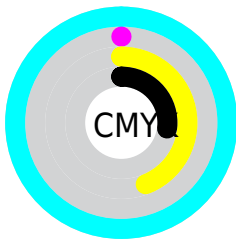
Distribution



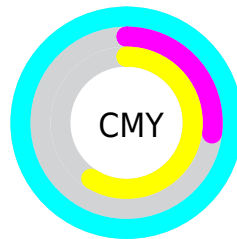
- Red (0%)
- Green (73%)
- Blue (41%)



- Red (0%)
- Yellow (47%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (44%)
- Black (27%)





- Cyan (100%)
- Magenta (27%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.1087, 36.1377, 19.2800 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 20.1087, 36.1377, 19.2800 by changing the saturation by 10% instead.


 20.1087, 36.1377,
19.2800


 20.1087, 36.1377,
19.2800


245.3253,
329.5620, 260.4642


 12.5828, 24.5406,
11.6939

 43.1019, 69.2445,
43.0497


 7.2169, 15.7351,
6.4156


 59.2999, 91.5231,
60.0704


 3.6457, 9.3369,
3.0266


 79.1194, 118.1308,
81.0730

 1.5037, 4.9616,
1.1082

 102.9256,
149.4522, 106.4761

 0.3283, 2.2247,
0.0000

 131.0839,
185.8716, 136.6982

 0.0000, 0.7334,
0.0000

 163.9598,

 0.0000, 0.0000,

227.7734, 172.1580

0.0000

201.9185,
275.5421, 213.2738

■ 20.1087, 36.1377,
19.2800

■ 20.1087, 36.1377,
19.2800

■ 20.1092, 36.1390,
19.2794

■ 20.8070, 36.4483,
21.5917

■ 21.7938, 36.9018,
24.1287

■ 23.1627, 37.5476,
26.9016

■ 24.9600, 38.4092,
29.9176

■ 27.2250, 39.5069,
33.1835

■ 29.9926, 40.8586,
36.7058

■ 33.2939, 42.4801,
40.4905

■ 37.1577, 44.3862,
44.5436

■ 41.6104, 46.5905,
48.8707

Harmonies

Analogous

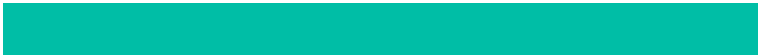
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



25.1047, 36.1377, 9.0377



20.1087, 36.1377, 19.2800



18.6712, 36.1377, 41.8823

Triad

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



20.1087, 36.1377, 19.2800



35.2217, 36.1377, 122.3759



52.9277, 36.1377, 16.7296

Complementary

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



20.1087, 36.1377, 19.2800



21.7363, 11.0340, 8.7713

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.



56.9921, 36.1377, 36.9176



20.1087, 36.1377, 19.2800



45.6198, 36.1377, 105.1232

Square

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



20.1087, 36.1377, 19.2800



26.3425, 36.1377, 109.9747



54.0923, 36.1377, 69.9895



43.8300, 36.1377, 8.1385

Rectangle

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



20.1087, 36.1377, 19.2800



19.6462, 36.1377, 64.1544



54.0923, 36.1377, 69.9895



54.9989, 36.1377, 21.9358

Sweetspot

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



20.1096, 36.1392, 19.2808



60.0201, 76.8350, 73.0322



21.1897, 36.9905, 6.0234



12.6370, 16.6349, 15.4320



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.



20.1096, 36.1392, 19.2808



36.3239, 65.4521, 34.2911



24.5271, 34.8727, 51.8945



9.0969, 10.1428, 10.6679



13.5665, 24.3276, 13.1712



0.5087, 0.8698, 0.6248

Inverse Universe

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



21.7363, 11.0340, 8.7713



39.2795, 19.9518, 15.2812



20.3516, 10.6417, 0.9818



9.1627, 9.0754, 10.2040



14.6590, 7.4373, 6.0909



0.5479, 0.2747, 0.3789

Previews

White Background



This preview shows how the XYZ color 20.1087, 36.1377, 19.2800 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 20.1087, 36.1377, 19.2800 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 20.1087, 36.1377, 19.2800

Background



This preview shows how black text looks on a background with the XYZ color 20.1087, 36.1377, 19.2800.



This preview shows how white text looks on a background with the XYZ color 20.1087, 36.1377,

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

20.1087, 36.1377, 19.2800

Protanopia

32.7149, 35.5461, 15.9633

Deuteranopia

36.2745, 35.5099, 20.5650



Tritanopia

27.2738, 36.0336, 54.2329

Trichromacy



Original Color

20.1087, 36.1377, 19.2800



Protanomaly

23.3089, 33.0950, 16.9639



Deuteranomaly

24.4767, 32.5358, 19.7418



Tritanomaly

23.6180, 35.6812, 38.4433

Monochromacy



Original Color

20.1087, 36.1377, 19.2800



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

16.2805, 23.0664, 19.8138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1087, 36.1377, 19.2800 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, 105)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 105)  
}
```

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, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 105) }
```

Border

The CSS property to change the border of an element to XYZ 20.1087, 36.1377, 19.2800 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, 105) }
```


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

```
.border{ border-color:rgb(0, 186, 105) }
```

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, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 105);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1087, 36.1377, 19.2800 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, 105) }
```

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

```
.background{ background-color: rgb(0, 186,  
105) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor