

Converting Colors

XYZ(20.0579, 36.6609, 16.2586)

Have a look what the booklet for
XYZ(20.0579, 36.6609, 16.2586)
contains.

XYZ(20.1287, 36.8493, 16.1770)	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(20.1287, 36.8493,
16.1770)**

Conversions

Conversions Part 1

Format	Color
Hex	10BC5C
RGB	16, 188, 92
RGB Percent	6%, 74%, 36%
CMY	0.9372, 0.2627, 0.6392
CMYK	0.91, 0.00, 0.51, 0.26
HSL	147°, 84%, 40%
HSV	147°, 91%, 74%
XYZ	20.1287, 36.8493, 16.1770
YIQ	125.6280, -71.6960, -66.3200

Conversions

Conversions Part 2

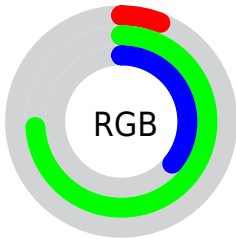
Format	Color
RYB	16, 135, 188
Decimal	1096796
CIELab	67.16, -60.43, 37.46
CIELCh	67, 71.100, 148.208
Yxy	36.8493, 0.2752, 0.5037
Android (android.graphics.Color)	4279286876 (0xFF10BC5C)
YUV	125.6280, -16.5786, -96.1438
Hunter-Lab	60.7036, -47.0426, 26.6923

Details

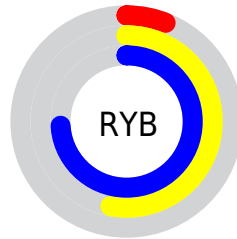
The XYZ color **20.1287, 36.8493, 16.1770** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **23.8503, 12.2326, 16.4357**, and the grayscale version is **19.7781, 20.8081, 22.6600**.

A 20% lighter version of the original color is **42.9420, 70.0278, 37.6390**, and **8.8054, 16.9422, 4.9966** is the 20% darker color. If you saturate the color by 10%, you get **19.5479, 36.5934, 14.2304**, and if you desaturate by 10%, it is **21.0935, 37.2910, 18.7860**.

Distribution



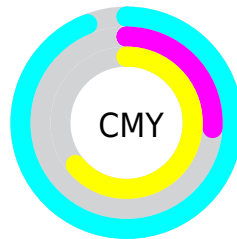
- Red (6%)
- Green (74%)
- Blue (36%)



- Red (6%)
- Yellow (53%)
- Blue (74%)



- Cyan (91%)
- Magenta (0%)
- Yellow (51%)
- Black (26%)





- Cyan (94%)
- Magenta (26%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.1287, 36.8493, 16.1770 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 20.1287, 36.8493, 16.1770 by changing the saturation by 10% instead.


 20.1287, 36.8493,
16.1770


 20.1287, 36.8493,
16.1770


245.4313,
332.6576, 242.2652


 12.5974, 25.0908,
9.4938


 43.1352, 70.3409,
37.6763


 7.2270, 16.1447,
4.9634


 59.3411, 92.8429,
53.3294


 3.6521, 9.6266,
2.1675


 79.1692, 119.6948,
72.8096

 1.5072, 5.1521,
0.6555

 102.9850,
151.2811, 96.5354

 0.3308, 2.3368,
0.0000

 131.1537,
187.9861, 124.9253

 0.0000, 0.7931,
0.0000

164.0408,

 0.0000, 0.0000,

230.1943, 158.3978

0.0000

202.0115,
278.2900, 197.3716

■ 20.1287, 36.8493,
16.1770

■ 20.1287, 36.8493,
16.1770

■ 19.5479, 36.5934,
14.2304

■ 21.0935, 37.2910,
18.7860

■ 22.4644, 37.9333,
21.7577

■ 24.2925, 38.8035,
25.1074

■ 26.6204, 39.9232,
28.8487

■ 29.4855, 41.3114,
32.9943

■ 32.9216, 42.9854,
37.5563

■ 36.9595, 44.9607,
42.5463

■ 41.6276, 47.2519,
47.9754

■ 46.9526, 49.8724,
53.8542

Harmonies

Analogous

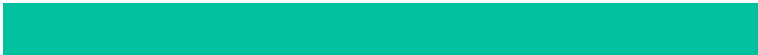
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



26.0679, 36.8493, 7.1609



20.1287, 36.8493, 16.1770



18.0503, 36.8493, 38.2850

Triad

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



20.1287, 36.8493, 16.1770



34.3765, 36.8493, 134.2325



56.7870, 36.8493, 18.0062

Complementary

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



20.1287, 36.8493, 16.1770



23.8503, 12.2326, 16.4357

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.



60.2574, 36.8493, 42.0181



20.1287, 36.8493, 16.1770



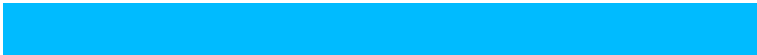
45.8275, 36.8493, 119.0525

Square

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



20.1287, 36.8493, 16.1770



25.1518, 36.8493, 115.2401



55.8924, 36.8493, 80.4977



47.1911, 36.8493, 7.7690

Rectangle

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



20.1287, 36.8493, 16.1770



18.7227, 36.8493, 61.8118



55.8924, 36.8493, 80.4977



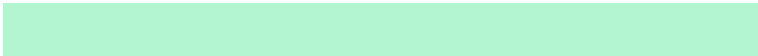
58.7858, 36.8493, 24.2129

Sweetspot

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



20.1296, 36.8508, 16.1778



62.4879, 79.2819, 71.6247



24.9484, 39.5473, 6.8090



12.9229, 16.7976, 14.7548



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.



20.1296, 36.8508, 16.1778



35.3074, 66.2701, 25.1635



26.0874, 39.2339, 47.5513



9.5792, 10.7178, 11.0335



13.3449, 24.9282, 9.8788



0.5557, 0.9896, 0.5603

Inverse Universe

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



23.8503, 12.2326, 16.4357



42.0758, 21.1723, 25.3995



21.1286, 11.1439, 2.1033



9.7471, 9.6231, 11.0571



15.8918, 7.9879, 9.9899



0.6549, 0.3259, 0.5620

Previews

White Background



This preview shows how the XYZ color 20.1287, 36.8493, 16.1770 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 20.1287, 36.8493, 16.1770 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 20.1287, 36.8493, 16.1770

Background



This preview shows how black text looks on a background with the XYZ color 20.1287, 36.8493, 16.1770.



This preview shows how white text looks on a background with the XYZ color 20.1287, 36.8493,

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

20.1287, 36.8493, 16.1770

Protanopia

33.0721, 36.0489, 13.3987

Deuteranopia

36.7865, 36.0986, 17.0854



Tritanopia

27.9842, 36.6665, 55.4716

Trichromacy



Original Color

20.1287, 36.8493, 16.1770



Protanomaly

23.9884, 33.7908, 14.0621



Deuteranomaly

25.3365, 33.3258, 16.4064



Tritanomaly

23.9408, 36.1781, 37.1738

Monochromacy



Original Color

20.1287, 36.8493, 16.1770



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

17.6225, 24.6882, 19.7561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1287, 36.8493, 16.1770 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(16, 188, 92)` looks like.

```
.text, #text, p{  
    color:rgb(16, 188, 92)  
}
```

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(16, 188, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 188, 92) }
```

Border

The CSS property to change the border of an element to XYZ 20.1287, 36.8493, 16.1770 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(16, 188, 92) }
```


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

```
.border{ border-color:rgb(16, 188, 92) }
```

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

Here you see how a box with a 4 pixel rgb(16, 188, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 188, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 188, 92);  
box-shadow:4px 4px 4px 4px rgb(16, 188,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1287, 36.8493, 16.1770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 188, 92) }
```

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

```
.background{ background-color: rgb(16, 188,  
92) }
```

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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