

Converting Colors

XYZ(20.4718, 36.7122, 16.0875)

Have a look what the booklet for
XYZ(20.4718, 36.7122, 16.0875)
contains.

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Color

**XYZ(20.4650, 36.7067,
16.1317)**

Conversions

Conversions Part 1

Format	Color
Hex	25BB5C
RGB	37, 187, 92
RGB Percent	15%, 73%, 36%
CMY	0.8549, 0.2667, 0.6392
CMYK	0.80, 0.00, 0.51, 0.27
HSL	142°, 67%, 44%
HSV	142°, 80%, 73%
XYZ	20.4650, 36.7067, 16.1317
YIQ	131.3200, -58.9050, -61.3450

Conversions

Conversions Part 2

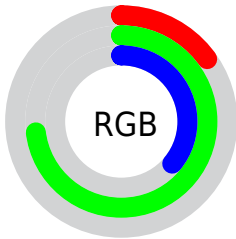
Format	Color
RYB	37, 147, 187
Decimal	2472796
CIELab	67.06, -58.32, 37.37
CIELCh	67, 69.266, 147.348
Yxy	36.7067, 0.2792, 0.5008
Android (android.graphics.Color)	4280662876 (0xFF25BB5C)
YUV	131.3200, -19.3848, -82.7186
Hunter-Lab	60.5861, -45.7312, 26.6236

Details

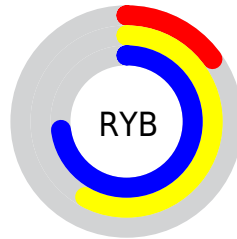
The XYZ color **20.4650, 36.7067, 16.1317** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **25.3209, 13.5544, 23.1120**, and the grayscale version is **21.7709, 22.9047, 24.9432**.

A 20% lighter version of the original color is **43.5691, 69.9031, 37.5819**, and **8.6692, 16.6697, 4.9511** is the 20% darker color. If you saturate the color by 10%, you get **19.4800, 36.2552, 13.5915**, and if you desaturate by 10%, it is **21.8762, 37.3706, 19.1160**.

Distribution



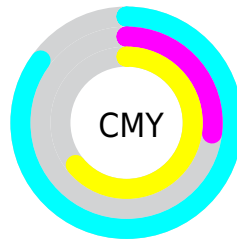
- Red (15%)
- Green (73%)
- Blue (36%)



- Red (15%)
- Yellow (58%)
- Blue (73%)



- Cyan (80%)
- Magenta (0%)
- Yellow (51%)
- Black (27%)





- Cyan (85%)
- Magenta (27%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.4650, 36.7067, 16.1317 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 20.4650, 36.7067, 16.1317 by changing the saturation by 10% instead.


 20.4650, 36.7067,
16.1317


 20.4650, 36.7067,
16.1317


247.2073,
332.0389, 241.9898


 12.8437, 24.9805,
9.4620

 43.6934, 70.1215,
37.5967


 7.3973, 16.0625,
4.9428


 60.0313, 92.5788,
53.2290


 3.7603, 9.5684,
2.1556


 80.0055, 119.3819,
72.6860

 1.5674, 5.1137,
0.6486

 103.9812,
150.9153, 96.3863

 0.3710, 2.3142,
0.0000

 132.3239,
187.5633, 124.7482

 0.0000, 0.7812,
0.0000

165.3989,

 0.0000, 0.0000,

229.7103, 158.1904

0.0000

203.5716,
277.7407, 197.1314

■ 20.4650, 36.7067,
16.1317

■ 20.4650, 36.7067,
16.1317

■ 19.4800, 36.2552,
13.5915

■ 21.8762, 37.3706,
19.1160

■ 18.8319, 35.9665,
11.5100

■ 23.7604, 38.2677,
22.5625

■ 26.1612, 39.4208,
26.4914

■ 29.1157, 40.8490,
30.9206

■ 32.6580, 42.5693,
35.8673

■ 36.8190, 44.5974,
41.3476

■ 41.6276, 46.9478,
47.3772

■ 47.1106, 49.6341,
53.9709

■ 53.2934, 52.6692,
61.1430

Harmonies

Analogous

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



26.3880, 36.7067, 7.4157



20.4650, 36.7067, 16.1317



18.3174, 36.7067, 37.3431

Triad

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



20.4650, 36.7067, 16.1317



33.9598, 36.7067, 130.4035



56.1444, 36.7067, 18.8061

Complementary

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



20.4650, 36.7067, 16.1317



25.3209, 13.5544, 23.1120

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.



59.2793, 36.7067, 42.7118



20.4650, 36.7067, 16.1317



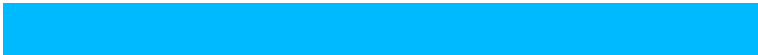
45.0429, 36.7067, 116.7847

Square

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



20.4650, 36.7067, 16.1317



25.0634, 36.7067, 111.3846



54.8673, 36.7067, 80.1358



46.9950, 36.7067, 8.3235

Rectangle

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



20.4650, 36.7067, 16.1317



18.9090, 36.7067, 59.8741



54.8673, 36.7067, 80.1358



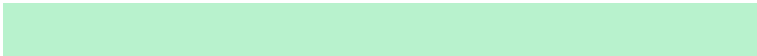
58.0078, 36.7067, 25.0487

Sweetspot

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



20.4659, 36.7082, 16.1325



62.6914, 78.2856, 69.8355



27.6211, 40.5814, 8.1275



13.2266, 16.9577, 14.6122



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.



20.4659, 36.7082, 16.1325



34.0118, 64.5413, 21.4829



25.5094, 38.7256, 42.6910



9.5495, 10.7059, 10.8772



13.0069, 24.7930, 8.0991



0.5413, 0.9839, 0.4847

Inverse Universe

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



25.3209, 13.5544, 23.1120



42.8928, 21.5654, 33.7896



21.8945, 12.1838, 5.0688



9.7775, 9.6353, 11.2172



16.4267, 8.2018, 12.8067



0.6739, 0.3335, 0.6621

Previews

White Background



This preview shows how the XYZ color 20.4650, 36.7067, 16.1317 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 20.4650, 36.7067, 16.1317 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 20.4650, 36.7067, 16.1317

Background



This preview shows how black text looks on a background with the XYZ color 20.4650, 36.7067, 16.1317.



This preview shows how white text looks on a background with the XYZ color 20.4650, 36.7067,

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

20.4650, 36.7067, 16.1317

Protanopia

33.0721, 36.0489, 13.3987

Deuteranopia

36.7865, 36.0986, 17.0854



Tritanopia

28.1538, 36.4745, 54.8466

Trichromacy



Original Color

20.4650, 36.7067, 16.1317



Protanomaly

24.9950, 34.3097, 14.1092



Deuteranomaly

26.4576, 33.9038, 16.4589



Tritanomaly

24.3520, 36.0991, 36.6947

Monochromacy



Original Color

20.4650, 36.7067, 16.1317



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

19.2073, 25.9590, 20.8279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4650, 36.7067, 16.1317 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(37, 187, 92)` looks like.

```
.text, #text, p{  
    color:rgb(37, 187, 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(37, 187, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 187, 92) }
```

Border

The CSS property to change the border of an element to XYZ 20.4650, 36.7067, 16.1317 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(37, 187, 92) }
```


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

```
.border{ border-color:rgb(37, 187, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 187, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 187, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 187, 92);  
box-shadow:4px 4px 4px 4px rgb(37, 187,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4650, 36.7067, 16.1317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 187, 92) }
```

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

```
.background{ background-color: rgb(37, 187,  
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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