

Converting Colors

XYZ(39.6606, 58.3160, 32.5336)

Have a look what the booklet for
XYZ(39.6606, 58.3160, 32.5336)
contains.

XYZ(39.6605, 58.3158, 32.4583)	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(39.6605, 58.3158,
32.4583)**

Conversions

Conversions Part 1

Format	Color
Hex	83DD88
RGB	131, 221, 136
RGB Percent	51%, 87%, 53%
CMY	0.4863, 0.1333, 0.4667
CMYK	0.41, 0.00, 0.38, 0.13
HSL	123°, 57%, 69%
HSV	123°, 41%, 87%
XYZ	39.6605, 58.3158, 32.4583
YIQ	184.4000, -26.3550, -45.5150

Conversions

Conversions Part 2

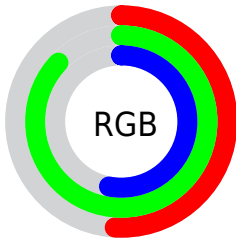
Format	Color
RYB	131, 216, 221
Decimal	8641928
CIELab	80.91, -44.10, 33.49
CIElCh	81, 55.376, 142.788
Yxy	58.3158, 0.3041, 0.4471
Android (android.graphics.Color)	4286832008 (0xFF83DD88)
YUV	184.4000, -23.8612, -46.8318
Hunter-Lab	76.3648, -40.9333, 28.2546

Details

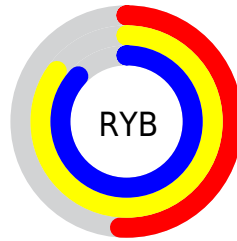
The XYZ color **39.6605, 58.3158, 32.4583** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **50.3317, 36.5638, 69.3727**, and the grayscale version is **45.9209, 48.3124, 52.6122**.

A 20% lighter version of the original color is **65.5478, 85.8025, 61.8220**, and **17.9965, 29.0620, 13.2553** is the 20% darker color. If you saturate the color by 10%, you get **35.2541, 56.2009, 25.2487**, and if you desaturate by 10%, it is **45.0888, 60.9275, 41.2260**.

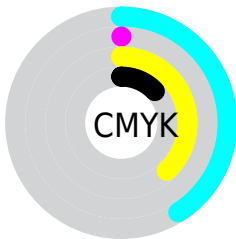
Distribution



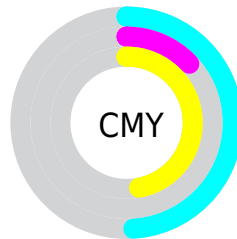
- Red (51%)
- Green (87%)
- Blue (53%)



- Red (51%)
- Yellow (85%)
- Blue (87%)



- Cyan (41%)
- Magenta (0%)
- Yellow (38%)
- Black (13%)




- Cyan (49%)
- Magenta (13%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.6605, 58.3158, 32.4583 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 39.6605, 58.3158, 32.4583 by changing the saturation by 10% instead.


 39.6605, 58.3158,
32.4583


 39.6605, 58.3158,
32.4583


335.8496,
418.3616, 327.7585


 27.4570, 42.0626,
21.4441


 73.9339, 102.3826,
64.6351

 18.0551, 29.1503,
13.2546


 96.7345, 130.9650,
86.6348

 11.0895, 19.1946,
7.4713


 123.7981,
164.4258, 113.1333

 6.1948, 11.8109,
3.6757

155.4901,
203.1496, 144.5493

 3.0057, 6.6151,
1.4492

192.1759,
247.5207, 181.3013

 1.1568, 3.2226,
0.1796

234.2209,

 0.0718, 1.2490,

297.9235, 223.8078

0.0000

281.9903,
354.7423, 272.4874

■ 0.0000, 0.1012,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.6605, 58.3158,
32.4583

■ 39.6605, 58.3158,
32.4583

■ 35.2541, 56.2009,
25.2487

■ 45.0888, 60.9275,
41.2260

■ 31.8014, 54.5446,
19.5025


■ 51.5927, 64.0568,
51.6315


■ 29.2332, 53.3150,
15.1206


■ 59.2276, 67.7323,
63.7536


■ 27.4686, 52.4728,
11.9902

■ 68.0435, 71.9783,
77.6648

 26.4122, 51.9716,
9.9805

 78.0877, 76.8177,
93.4338

 25.9257, 51.7424,
8.9778

 85.1476, 80.1952,
105.5992

Harmonies

Analogous

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



47.3206, 58.3158, 21.2662



39.6605, 58.3158, 32.4583



36.3089, 58.3158, 55.8959

Triad

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



39.6605, 58.3158, 32.4583



52.7060, 58.3158, 148.9743



78.3346, 58.3158, 42.0489

Complementary

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



39.6605, 58.3158, 32.4583



50.3317, 36.5638, 69.3727

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.



80.2980, 58.3158, 71.7555



39.6605, 58.3158, 32.4583



64.4110, 58.3158, 141.2916

Square

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



39.6605, 58.3158, 32.4583



43.1368, 58.3158, 128.2094



74.9010, 58.3158, 109.8374



69.8555, 58.3158, 25.3219

Rectangle

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



39.6605, 58.3158, 32.4583



36.5904, 58.3158, 78.5194



74.9010, 58.3158, 109.8374



79.8222, 58.3158, 50.5226

Sweetspot

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



39.6620, 58.3182, 32.4596



80.3658, 92.9278, 85.7248



58.4225, 68.0298, 31.5250



16.8906, 19.7406, 17.8558



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



39.6620, 58.3182, 32.4596



49.4885, 78.0757, 36.1261



43.5074, 59.8564, 52.7095



12.9157, 14.6179, 14.0191



15.0732, 30.0619, 5.2848



0.9871, 1.9518, 0.3979

Inverse Universe

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



50.3317, 36.5638, 69.3727



66.1814, 44.0194, 93.8617



45.3353, 34.5653, 43.0621



13.5815, 13.2617, 16.3234



24.0018, 11.6018, 35.9850



1.5647, 0.7555, 2.3826

Previews

White Background



This preview shows how the XYZ color 39.6605, 58.3158, 32.4583 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 39.6605, 58.3158, 32.4583 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 39.6605, 58.3158, 32.4583

Background



This preview shows how black text looks on a background with the XYZ color 39.6605, 58.3158, 32.4583.



This preview shows how white text looks on a background with the XYZ color 39.6605, 58.3158,

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

39.6605, 58.3158, 32.4583

Protanopia

53.1658, 57.6188, 28.7415

Deuteranopia

58.5138, 57.2493, 33.9528



Tritanopia

49.3061, 58.0288, 81.2750

Trichromacy



Original Color

39.6605, 58.3158, 32.4583



Protanomaly

46.9023, 57.1895, 30.0394



Deuteranomaly

49.1429, 56.1403, 33.0570



Tritanomaly

44.9395, 57.7390, 59.8151

Monochromacy



Original Color

39.6605, 58.3158, 32.4583



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

42.4584, 50.7219, 44.1117

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6605, 58.3158, 32.4583 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(131, 221, 136)` looks like.

```
.text, #text, p{  
    color:rgb(131, 221, 136)  
}
```

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(131, 221, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 221, 136) }
```

Border

The CSS property to change the border of an element to XYZ 39.6605, 58.3158, 32.4583 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(131, 221, 136) }
```


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

```
.border{ border-color:rgb(131, 221, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 221, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 221, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 221, 136);  
box-shadow:4px 4px 4px 4px rgb(131, 221,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6605, 58.3158, 32.4583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 221, 136) }
```

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

```
.background{ background-color: rgb(131,  
221, 136) }
```

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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