

Converting Colors

XYZ(39.6742, 58.8639, 30.9469)

Have a look what the booklet for
XYZ(39.6742, 58.8639, 30.9469)
contains.

XYZ(39.6462, 58.7338, 31.0770)	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(39.6462, 58.7338,
31.0770)**

Conversions

Conversions Part 1

Format	Color
Hex	83DE84
RGB	131, 222, 132
RGB Percent	51%, 87%, 52%
CMY	0.4863, 0.1294, 0.4823
CMYK	0.41, 0.00, 0.41, 0.13
HSL	121°, 58%, 69%
HSV	121°, 41%, 87%
XYZ	39.6462, 58.7338, 31.0770
YIQ	184.5310, -25.3460, -47.2820

Conversions

Conversions Part 2

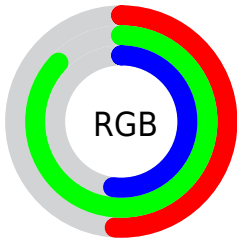
Format	Color
RYB	131, 221, 222
Decimal	8642180
CIELab	81.15, -45.14, 35.81
CIElCh	81, 57.621, 141.576
Yxy	58.7338, 0.3062, 0.4537
Android (android.graphics.Color)	4286832260 (0xFF83DE84)
YUV	184.5310, -25.8978, -46.9467
Hunter-Lab	76.6380, -41.7752, 29.6043

Details

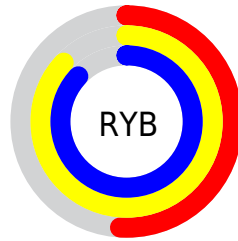
The XYZ color **39.6462, 58.7338, 31.0770** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **51.2935, 36.9837, 72.8436**, and the grayscale version is **46.0041, 48.3999, 52.7075**.

A 20% lighter version of the original color is **65.3620, 85.7565, 59.5621**, and **18.0231, 29.3624, 12.5022** is the 20% darker color. If you saturate the color by 10%, you get **35.2216, 56.6103, 23.8356**, and if you desaturate by 10%, it is **45.1266, 61.3685, 40.0207**.

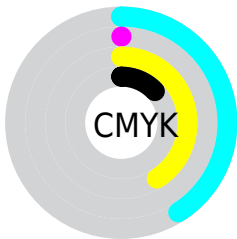
Distribution



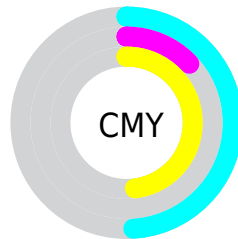
- Red (51%)
- Green (87%)
- Blue (52%)



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



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





- Cyan (49%)
- Magenta (13%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.6462, 58.7338, 31.0770 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 39.6462, 58.7338, 31.0770 by changing the saturation by 10% instead.


 39.6462, 58.7338,
31.0770


 39.6462, 58.7338,
31.0770


335.7901,
419.9147, 321.2551


 27.4458, 42.3989,
20.3985


 73.9122, 102.9907,
62.4423

 18.0466, 29.4137,
12.4981


 96.7085, 131.6814,
83.9662

 11.0834, 19.3940,
6.9572


 123.7675,
165.2595, 109.9423

 6.1906, 11.9553,
3.3573

155.4546,
204.1094, 140.7892

 3.0031, 6.7133,
1.2799

192.1350,
248.6155, 176.9253

 1.1554, 3.2834,
0.0452

234.1742,

 0.0707, 1.2814,

299.1621, 218.7693

0.0000

281.9374,
356.1337, 266.7398

■ 0.0000, 0.1268,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.6462, 58.7338,
31.0770

■ 39.6462, 58.7338,
31.0770

■ 35.2216, 56.6103,
23.8356

■ 45.1266, 61.3685,
40.0207

■ 31.7809, 54.9580,
18.1851


■ 51.7200, 64.5366,
50.7609


■ 29.2502, 53.7433,
14.0069


■ 59.4845, 68.2679,
63.3898

■ 27.5434, 52.9245,
11.1643

■ 68.4733, 72.5879,
77.9919

 26.5579, 52.4524,
9.4949

 78.7358, 77.5204,
94.6466

 26.1358, 52.2503,
8.7780

 85.4124, 80.7249,
105.6875

Harmonies

Analogous

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



47.7716, 58.7338, 20.1153



39.6462, 58.7338, 31.0770



35.9897, 58.7338, 54.7608

Triad

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



39.6462, 58.7338, 31.0770



52.5160, 58.7338, 153.9811



80.1156, 58.7338, 42.6210

Complementary

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



39.6462, 58.7338, 31.0770



51.2935, 36.9837, 72.8436

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.



81.8663, 58.7338, 74.1162



39.6462, 58.7338, 31.0770



64.7356, 58.7338, 147.0589

Square

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



39.6462, 58.7338, 31.0770



42.6920, 58.7338, 130.8479



75.8962, 58.7338, 114.3655



71.4073, 58.7338, 24.9272

Rectangle

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



39.6462, 58.7338, 31.0770



36.1542, 58.7338, 78.1307



75.8962, 58.7338, 114.3655



81.5826, 58.7338, 51.6002

Sweetspot

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



39.6477, 58.7363, 31.0783



80.1793, 92.8532, 84.7426



60.3448, 69.4139, 31.6907



16.8472, 19.7233, 17.6271



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.



39.6477, 58.7363, 31.0783



49.0992, 77.9200, 34.0765



43.3690, 60.2248, 50.6743



13.5349, 15.3397, 14.5860



15.5261, 31.0353, 5.2277



1.0784, 2.1521, 0.3739

Inverse Universe

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



51.2935, 36.9837, 72.8436



67.0586, 44.3703, 98.4809



46.1283, 34.9176, 45.6441



14.2882, 13.9329, 17.2878



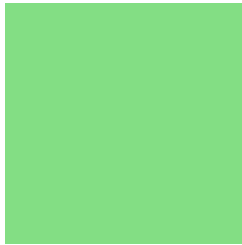
25.5344, 12.2808, 41.0757



1.7720, 0.8521, 2.8584

Previews

White Background



This preview shows how the XYZ color 39.6462, 58.7338, 31.0770 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 39.6462, 58.7338, 31.0770 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 39.6462, 58.7338, 31.0770

Background



This preview shows how black text looks on a background with the XYZ color 39.6462, 58.7338, 31.0770.



This preview shows how white text looks on a background with the XYZ color 39.6462, 58.7338,

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

39.6462, 58.7338, 31.0770

Protanopia

53.5058, 57.8239, 27.4098

Deuteranopia

59.1064, 57.9141, 32.4894



Tritanopia

49.8755, 58.6740, 82.0953

Trichromacy



Original Color

39.6462, 58.7338, 31.0770



Protanomaly

46.8802, 57.2089, 28.6502



Deuteranomaly

49.6193, 56.7688, 31.6348



Tritanomaly

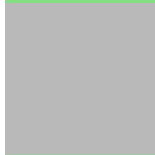
45.2538, 58.2908, 59.3182

Monochromacy



Original Color

39.6462, 58.7338, 31.0770



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

42.5941, 51.1407, 43.7026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6462, 58.7338, 31.0770 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, 222, 132)` looks like.

```
.text, #text, p{  
    color:rgb(131, 222, 132)  
}
```

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, 222, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 222, 132) }
```

Border

The CSS property to change the border of an element to XYZ 39.6462, 58.7338, 31.0770 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, 222, 132) }
```


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

```
.border{ border-color:rgb(131, 222, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 222, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 222, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 222, 132);  
box-shadow:4px 4px 4px 4px rgb(131, 222,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6462, 58.7338, 31.0770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 222, 132) }
```

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

```
.background{ background-color: rgb(131,  
222, 132) }
```

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