

Converting Colors

XYZ(38.8377, 64.0163, 31.7188)

Have a look what the booklet for
XYZ(38.8377, 64.0163, 31.7188)
contains.

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Color

**XYZ(38.9161, 64.1164,
31.7973)**

Conversions

Conversions Part 1

Format	Color
Hex	60EC83
RGB	96, 236, 131
RGB Percent	38%, 93%, 51%
CMY	0.6235, 0.0745, 0.4863
CMYK	0.59, 0.00, 0.44, 0.07
HSL	135°, 79%, 65%
HSV	135°, 59%, 93%
XYZ	38.9161, 64.1164, 31.7973
YIQ	182.1700, -49.7350, -62.3350

Conversions

Conversions Part 2

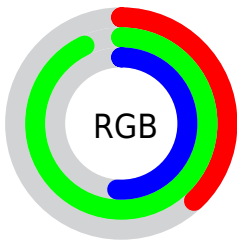
Format	Color
RYB	96, 208, 236
Decimal	6352003
CIELab	84.03, -59.87, 39.77
CIELCh	84, 71.874, 146.406
Yxy	64.1164, 0.2886, 0.4755
Android (android.graphics.Color)	4284542083 (0xFF60EC83)
YUV	182.1700, -25.2268, -75.5711
Hunter-Lab	80.0727, -53.3746, 32.5065

Details

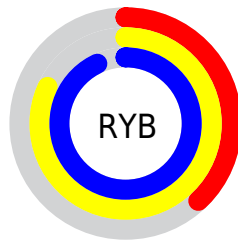
The XYZ color **38.9161, 64.1164, 31.7973** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **49.3196, 30.4170, 58.5323**, and the grayscale version is **44.7101, 47.0385, 51.2250**.

A 20% lighter version of the original color is **58.4216, 82.1909, 58.6842**, and **17.6065, 32.8434, 12.8086** is the 20% darker color. If you saturate the color by 10%, you get **35.6969, 62.5856, 25.9110**, and if you desaturate by 10%, it is **43.0885, 66.1185, 38.8008**.

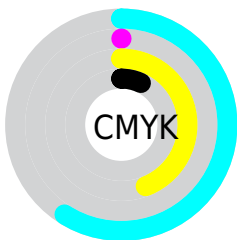
Distribution



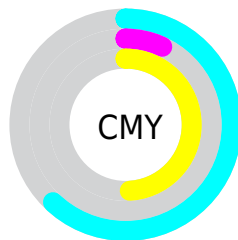
- Red (38%)
- Green (93%)
- Blue (51%)



- Red (38%)
- Yellow (82%)
- Blue (93%)



- Cyan (59%)
- Magenta (0%)
- Yellow (44%)
- Black (7%)





- Cyan (62%)
- Magenta (7%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9161, 64.1164, 31.7973 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 38.9161, 64.1164, 31.7973 by changing the saturation by 10% instead.


 38.9161, 64.1164,
31.7973


 38.9161, 64.1164,
31.7973


332.7470,
439.6099, 324.6591


 26.8749, 46.7450,
20.9432


 72.8050, 110.7786,
63.5874


 17.6154, 32.8341,
12.8916


 95.3834, 140.8381,
85.3605

 10.7722, 21.9994,
7.2241


 122.2050,
175.8957, 111.6103

 5.9800, 13.8564,
3.5221

 153.6350,
216.3359, 142.7553

 2.8735, 8.0209,
1.3670

190.0389,
262.5430, 179.2142

 1.0872, 4.1083,
0.1158


231.7819,

 0.0144, 1.7343,


314.9014, 221.4054


0.0000


279.2295,
373.7956, 269.7475


 0.0000, 0.4457,
0.0000


 0.0000, 0.0000,
0.0000


 38.9161, 64.1164,
31.7973


 38.9161, 64.1164,
31.7973


 35.6969, 62.5856,
25.9110

 43.0885, 66.1185,
38.8008


 33.3468, 61.4786,
21.0795


 48.2796, 68.6191,
46.9709


 31.7742, 60.7512,
17.2408

 54.5542, 71.6525,
56.3594


 30.8377, 60.3321,
14.3229


 61.9704, 75.2476,
67.0136

 30.7861, 60.3091,
14.1560

 70.5822, 79.4312,
78.9782

 80.4400, 84.2286,
92.2957

 89.2714, 88.4672,
106.8984

 89.2867, 88.4734,
106.9789

Harmonies

Analogous

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



48.3669, 64.1164, 17.1852



38.9161, 64.1164, 31.7973



35.3036, 64.1164, 64.4813

Triad

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



38.9161, 64.1164, 31.7973



59.0499, 64.1164, 198.1813



92.5167, 64.1164, 37.7447

Complementary

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



38.9161, 64.1164, 31.7973



49.3196, 30.4170, 58.5323

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.



96.6992, 64.1164, 75.4283



38.9161, 64.1164, 31.7973



75.5242, 64.1164, 180.8025

Square

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



38.9161, 64.1164, 31.7973



45.5850, 64.1164, 170.6775



90.0157, 64.1164, 130.1000



79.4073, 64.1164, 19.4254

Rectangle

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



38.9161, 64.1164, 31.7973



36.1306, 64.1164, 97.4794



90.0157, 64.1164, 130.1000



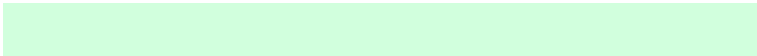
95.1016, 64.1164, 47.9478

Sweetspot

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



38.9177, 64.1190, 31.7988



75.0774, 90.2877, 81.5804



56.8286, 73.5818, 22.2744



15.4746, 19.0365, 16.6209



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.



38.9177, 64.1190, 31.7988



41.9227, 74.3109, 29.6536



45.0913, 66.5885, 64.3087



15.0228, 16.9239, 16.8028



17.0128, 33.2596, 8.0323



1.3735, 2.6267, 0.8286

Inverse Universe

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



49.3196, 30.4170, 58.5323



55.2856, 30.7910, 63.8308



43.0335, 27.9025, 25.4299



15.5446, 15.2457, 18.1529



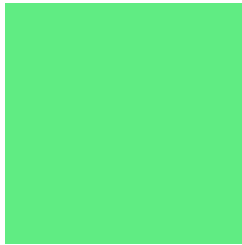
23.4966, 11.6013, 24.2143



1.8831, 0.9262, 2.1015

Previews

White Background



This preview shows how the XYZ color 38.9161, 64.1164, 31.7973 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 38.9161, 64.1164, 31.7973 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 38.9161, 64.1164, 31.7973

Background



This preview shows how black text looks on a background with the XYZ color 38.9161, 64.1164, 31.7973.

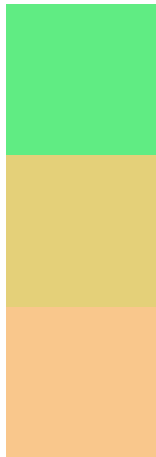


This preview shows how white text looks on a background with the XYZ color 38.9161, 64.1164,

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

38.9161, 64.1164, 31.7973

Protanopia

58.0020, 62.9862, 27.1897

Deuteranopia

64.2240, 62.8800, 33.5630



Tritanopia

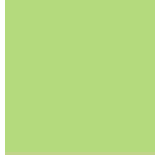
50.8690, 63.5618, 92.8067

Trichromacy



Original Color

38.9161, 64.1164, 31.7973



Protanomaly

47.5955, 61.3268, 28.7307



Deuteranomaly

50.0512, 60.2306, 32.6546



Tritanomaly

45.3562, 63.3487, 65.0953

Monochromacy



Original Color

38.9161, 64.1164, 31.7973



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

40.4939, 51.4647, 42.4498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9161, 64.1164, 31.7973 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(96, 236, 131)` looks like.

```
.text, #text, p{  
    color:rgb(96, 236, 131)  
}
```

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(96, 236, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 236, 131) }
```

Border

The CSS property to change the border of an element to XYZ 38.9161, 64.1164, 31.7973 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(96, 236, 131) }
```


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

```
.border{ border-color:rgb(96, 236, 131) }
```

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

Here you see how a box with a 4 pixel rgb(96, 236, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 236, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 236, 131);  
box-shadow:4px 4px 4px 4px rgb(96, 236,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9161, 64.1164, 31.7973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 236, 131) }
```

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

```
.background{ background-color: rgb(96, 236,  
131) }
```

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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