

Converting Colors

XYZ(38.9084, 60.0011, 25.4020)

Have a look what the booklet for
XYZ(38.9084, 60.0011, 25.4020)
contains.

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Color

**XYZ(38.9860, 60.1196,
25.4691)**

Conversions

Conversions Part 1

Format	Color
Hex	7FE272
RGB	127, 226, 114
RGB Percent	50%, 89%, 45%
CMY	0.5020, 0.1137, 0.5529
CMYK	0.44, 0.00, 0.50, 0.11
HSL	113°, 66%, 67%
HSV	113°, 50%, 89%
XYZ	38.9860, 60.1196, 25.4691
YIQ	183.6310, -23.0520, -55.8200

Conversions

Conversions Part 2

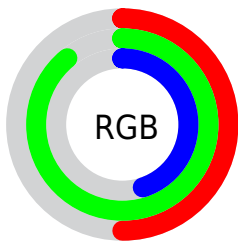
Format	Color
RYB	114, 226, 213
Decimal	8381042
CIELab	81.90, -50.50, 45.57
CIElCh	82, 68.017, 137.936
Yxy	60.1196, 0.3130, 0.4826
Android (android.graphics.Color)	4286571122 (0xFF7FE272)
YUV	183.6310, -34.3281, -49.6654
Hunter-Lab	77.5368, -45.9385, 34.8004

Details

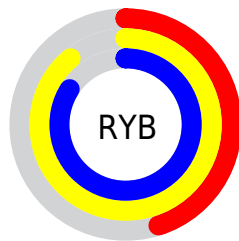
The XYZ color **38.9860, 60.1196, 25.4691** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **47.1884, 31.6738, 75.5812**, and the grayscale version is **45.5501, 47.9222, 52.1873**.

A 20% lighter version of the original color is **62.8355, 84.6614, 50.0753**, and **17.6985, 30.3625, 9.4852** is the 20% darker color. If you saturate the color by 10%, you get **35.1695, 58.2846, 19.3853**, and if you desaturate by 10%, it is **43.7133, 62.3909, 33.2568**.

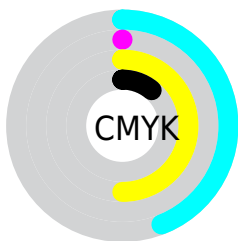
Distribution



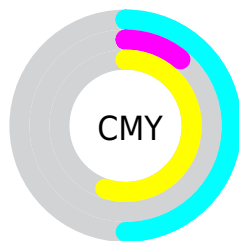
- Red (50%)
- Green (89%)
- Blue (45%)



- Red (45%)
- Yellow (89%)
- Blue (84%)



- Cyan (44%)
- Magenta (0%)
- Yellow (50%)
- Black (11%)





- Cyan (50%)
- Magenta (11%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9860, 60.1196, 25.4691 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 38.9860, 60.1196, 25.4691 by changing the saturation by 10% instead.


 38.9860, 60.1196,
25.4691


 38.9860, 60.1196,
25.4691


333.0392,
425.0385, 293.6882


 26.9295, 43.5150,
16.2047


 72.9111, 105.0031,
53.3907

 17.6566, 30.2894,
9.5132

 95.5105, 134.0509,
72.8851

 10.8019, 20.0584,
4.9761

 122.3549,
168.0152, 96.6265

 6.0001, 12.4375,
2.1747

153.8096,
207.2804, 125.0335

 2.8858, 7.0424,
0.6597

190.2400,
252.2310, 158.5246

 1.0937, 3.4886,
0.0000

232.0115,

 0.0198, 1.3918,

303.2512, 197.5184

0.0000

279.4894,
360.7256, 242.4334

■ 0.0000, 0.2107,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.9860, 60.1196,
25.4691

■ 38.9860, 60.1196,
25.4691

■ 35.1695, 58.2846,
19.3853

■ 43.7133, 62.3909,
33.2568

■ 32.2003, 56.8507,
14.8743


■ 49.4004, 65.1161,
42.8588


■ 30.0140, 55.7896,
11.7923


■ 56.0982, 68.3209,
54.3807

■ 28.5347, 55.0659,
9.9674

■ 63.8527, 72.0268,
67.9189

 27.6580, 54.6318,
9.1160

 72.7071, 76.2543,
83.5635

 27.6294, 54.6177,
9.0861

 82.7020, 81.0225,
101.3988

 86.4875, 82.8751,
106.0458

Harmonies

Analogous

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



49.0486, 60.1196, 15.3482



38.9860, 60.1196, 25.4691



34.1570, 60.1196, 50.2746

Triad

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



38.9860, 60.1196, 25.4691



51.5592, 60.1196, 177.3411



87.6665, 60.1196, 43.9906

Complementary

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



38.9860, 60.1196, 25.4691



47.1884, 31.6738, 75.5812

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.



88.6445, 60.1196, 83.4314



38.9860, 60.1196, 25.4691



66.0798, 60.1196, 173.2956

Square

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



38.9860, 60.1196, 25.4691



40.5575, 60.1196, 143.5321



80.2067, 60.1196, 134.0750



77.7241, 60.1196, 22.5351

Rectangle

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



38.9860, 60.1196, 25.4691



33.9123, 60.1196, 77.0038



80.2067, 60.1196, 134.0750



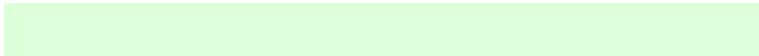
89.1085, 60.1196, 55.1318

Sweetspot

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



38.9875, 60.1221, 25.4704



78.1282, 91.9186, 79.0995



58.1814, 64.9415, 25.3890



16.2699, 19.4579, 16.1419



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.



38.9875, 60.1221, 25.4704



46.3141, 76.6689, 25.6012



40.2178, 60.4049, 41.4097



13.6758, 15.4130, 14.5610



15.8126, 31.1842, 5.1857



1.1458, 2.1872, 0.3618

Inverse Universe

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



47.1884, 31.6738, 75.5812



58.1618, 35.3295, 98.3615



45.9377, 31.6267, 48.5217



14.1302, 13.8507, 17.3164



21.4514, 10.1539, 41.8776



1.5319, 0.7270, 2.9048

Previews

White Background



This preview shows how the XYZ color 38.9860, 60.1196, 25.4691 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 38.9860, 60.1196, 25.4691 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 38.9860, 60.1196, 25.4691

Background



This preview shows how black text looks on a background with the XYZ color 38.9860, 60.1196, 25.4691.



This preview shows how white text looks on a background with the XYZ color 38.9860, 60.1196,

25.4691.

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

38.9860, 60.1196, 25.4691

Protanopia

54.3889, 59.4405, 22.2422

Deuteranopia

60.2390, 58.9575, 26.6174



Tritanopia

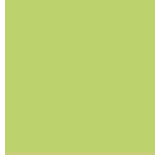
50.4716, 59.6912, 83.7243

Trichromacy



Original Color

38.9860, 60.1196, 25.4691



Protanomaly

46.7936, 58.3840, 23.2710



Deuteranomaly

49.5182, 57.5511, 25.9513



Tritanomaly

45.1330, 59.4364, 56.6706

Monochromacy



Original Color

38.9860, 60.1196, 25.4691



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

41.7857, 51.1366, 40.4689

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9860, 60.1196, 25.4691 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(127, 226, 114)` looks like.

```
.text, #text, p{  
    color:rgb(127, 226, 114)  
}
```

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(127, 226, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 226, 114) }
```

Border

The CSS property to change the border of an element to XYZ 38.9860, 60.1196, 25.4691 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(127, 226, 114) }
```


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

```
.border{ border-color:rgb(127, 226, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 226, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 226, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 226, 114);  
box-shadow:4px 4px 4px 4px rgb(127, 226,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9860, 60.1196, 25.4691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 226, 114) }
```

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

```
.background{ background-color: rgb(127,  
226, 114) }
```

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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