

Converting Colors

XYZ(39.5975, 60.3357, 30.0693)

Have a look what the booklet for
XYZ(39.5975, 60.3357, 30.0693)
contains.

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Color

**XYZ(39.5501, 60.3112,
29.9788)**

Conversions

Conversions Part 1

Format	Color
Hex	7DE280
RGB	125, 226, 128
RGB Percent	49%, 89%, 50%
CMY	0.5098, 0.1137, 0.4980
CMYK	0.45, 0.00, 0.43, 0.11
HSL	122°, 64%, 69%
HSV	122°, 45%, 89%
XYZ	39.5501, 60.3112, 29.9788
YIQ	184.6290, -28.7380, -51.8900

Conversions

Conversions Part 2

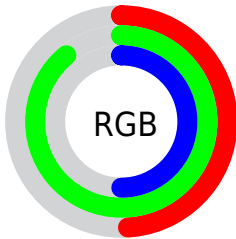
Format	Color
RYB	125, 223, 226
Decimal	8249984
CIELab	82.01, -49.16, 38.87
CIElCh	82, 62.668, 141.670
Yxy	60.3112, 0.3046, 0.4645
Android (android.graphics.Color)	4286440064 (0xFF7DE280)
YUV	184.6290, -27.9181, -52.2946
Hunter-Lab	77.6603, -45.0007, 31.4748

Details

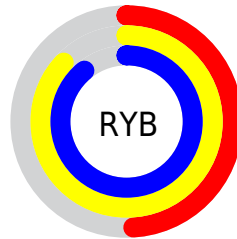
The XYZ color **39.5501, 60.3112, 29.9788** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **52.0188, 36.1648, 74.0528**, and the grayscale version is **46.0708, 48.4701, 52.7839**.

A 20% lighter version of the original color is **63.4949, 84.8425, 57.2857**, and **18.0290, 30.4786, 11.9539** is the 20% darker color. If you saturate the color by 10%, you get **35.3279, 58.2855, 23.0441**, and if you desaturate by 10%, it is **44.8378, 62.8537, 38.5940**.

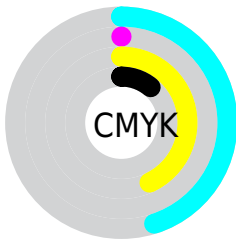
Distribution



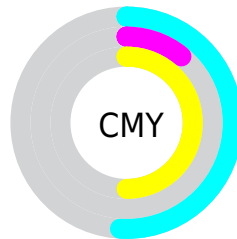
- Red (49%)
- Green (89%)
- Blue (50%)



- Red (49%)
- Yellow (87%)
- Blue (89%)



- Cyan (45%)
- Magenta (0%)
- Yellow (43%)
- Black (11%)



- Cyan (51%)
- Magenta (11%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.5501, 60.3112, 29.9788 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 39.5501, 60.3112, 29.9788 by changing the saturation by 10% instead.

■ 39.5501, 60.3112,
29.9788

■ 39.5501, 60.3112,
29.9788

335.3907,
425.7439, 316.0099

■ 27.3706, 43.6695,
19.5706

■ 73.7666, 105.2810,
60.6893

■ 17.9898, 30.4108,
11.9023

■ 96.5344, 134.3779,
81.8286

■ 11.0423, 20.1506,
6.5555

■ 123.5622,
168.3953, 107.3820

■ 6.1628, 12.5046,
3.1115

155.2155,
207.7176, 137.7681

■ 2.9859, 7.0883,
1.1518

191.8597,
252.7292, 173.4054

■ 1.1463, 3.5174,
0.0000

233.8600,

■ 0.0633, 1.4074,

303.8145, 214.7124

0.0000

281.5819,
361.3580, 262.1077

■ 0.0000, 0.2222,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.5501, 60.3112,
29.9788

■ 39.5501, 60.3112,
29.9788

■ 35.3279, 58.2855,
23.0441

■ 44.8378, 62.8537,
38.5940

■ 32.0949, 56.7343,
17.6766


■ 51.2518, 65.9369,
48.9853


■ 29.7718, 55.6210,
13.7554


■ 58.8534, 69.5922,
61.2456

■ 28.2651, 54.9006,
11.1404

■ 67.6985, 73.8465,
75.4604

 27.4613, 54.5181,
9.6635

 77.8393, 78.7251,
91.7099

 27.2343, 54.4098,
9.2596

 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.



48.4104, 60.3112, 18.4827



39.5501, 60.3112, 29.9788



35.6055, 60.3112, 55.6418

Triad

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



39.5501, 60.3112, 29.9788



53.7067, 60.3112, 167.7333



84.4512, 60.3112, 42.2158

Complementary

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



39.5501, 60.3112, 29.9788



52.0188, 36.1648, 74.0528

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.



86.4526, 60.3112, 76.8330



39.5501, 60.3112, 29.9788



67.2696, 60.3112, 159.6586

Square

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



39.5501, 60.3112, 29.9788



42.9130, 60.3112, 141.2737



79.7556, 60.3112, 122.2034



74.6464, 60.3112, 23.4118

Rectangle

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



39.5501, 60.3112, 29.9788



35.7938, 60.3112, 81.5832



79.7556, 60.3112, 122.2034



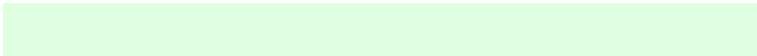
86.1136, 60.3112, 51.9712

Sweetspot

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



39.5516, 60.3137, 29.9801



79.1353, 92.3447, 83.3490



61.7393, 71.7744, 30.0022



16.4207, 19.5167, 17.0072



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.



39.5516, 60.3137, 29.9801



46.6118, 76.7128, 30.5659



43.6095, 61.9369, 51.3488



13.5452, 15.3438, 14.6403



15.5442, 31.0425, 5.3227



1.0833, 2.1541, 0.4000

Inverse Universe

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



52.0188, 36.1648, 74.0528



65.0343, 41.0118, 95.6789



46.3215, 33.8859, 44.0513



14.2765, 13.9282, 17.2263



25.2173, 12.1539, 39.4056



1.7536, 0.8447, 2.7610

Previews

White Background



This preview shows how the XYZ color 39.5501, 60.3112, 29.9788 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 39.5501, 60.3112, 29.9788 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 39.5501, 60.3112, 29.9788

Background



This preview shows how black text looks on a background with the XYZ color 39.5501, 60.3112, 29.9788.



This preview shows how white text looks on a background with the XYZ color 39.5501, 60.3112,

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

39.5501, 60.3112, 29.9788

Protanopia

54.8099, 59.5734, 26.0628

Deuteranopia

60.6979, 59.4158, 31.5618



Tritanopia

50.3244, 59.9736, 84.5250

Trichromacy



Original Color

39.5501, 60.3112, 29.9788



Protanomaly

47.3006, 58.5585, 27.2223



Deuteranomaly

50.1244, 58.1154, 30.7659



Tritanomaly

45.2902, 59.4411, 60.1252

Monochromacy



Original Color

39.5501, 60.3112, 29.9788



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

42.4594, 51.7754, 42.8778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5501, 60.3112, 29.9788 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(125, 226, 128)` looks like.

```
.text, #text, p{  
    color:rgb(125, 226, 128)  
}
```

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(125, 226, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 226, 128) }
```

Border

The CSS property to change the border of an element to XYZ 39.5501, 60.3112, 29.9788 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(125, 226, 128) }
```


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

```
.border{ border-color:rgb(125, 226, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 226, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 226, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 226, 128);  
box-shadow:4px 4px 4px 4px rgb(125, 226,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 39.5501, 60.3112, 29.9788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 226, 128) }
```

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

```
.background{ background-color: rgb(125,  
226, 128) }
```

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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