

Converting Colors

XYZ(39.7290, 60.0057, 29.9138)

Have a look what the booklet for
XYZ(39.7290, 60.0057, 29.9138)
contains.

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Color

**XYZ(39.7236, 59.9981,
29.9092)**

Conversions

Conversions Part 1

Format	Color
Hex	80E180
RGB	128, 225, 128
RGB Percent	50%, 88%, 50%
CMY	0.4980, 0.1176, 0.4980
CMYK	0.43, 0.00, 0.43, 0.12
HSL	120°, 62%, 69%
HSV	120°, 43%, 88%
XYZ	39.7236, 59.9981, 29.9092
YIQ	184.9390, -26.6750, -50.7310

Conversions

Conversions Part 2

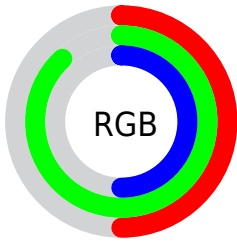
Format	Color
RYB	128, 225, 225
Decimal	8446336
CIELab	81.84, -47.88, 38.67
CIElCh	82, 61.550, 141.072
Yxy	59.9981, 0.3064, 0.4628
Android (android.graphics.Color)	4286636416 (0xFF80E180)
YUV	184.9390, -28.0709, -49.9355
Hunter-Lab	77.4584, -44.0108, 31.3271

Details

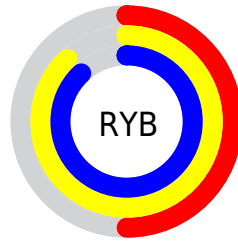
The XYZ color **39.7236, 59.9981, 29.9092** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **52.3630, 36.8833, 75.5956**, and the grayscale version is **46.2433, 48.6515, 52.9815**.

A 20% lighter version of the original color is **64.2111, 85.2117, 57.3192**, and **18.1261, 30.2513, 11.9049** is the 20% darker color. If you saturate the color by 10%, you get **35.3868, 57.9167, 22.8144**, and if you desaturate by 10%, it is **45.1422, 62.6027, 38.7712**.

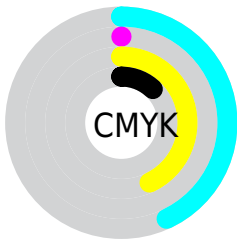
Distribution



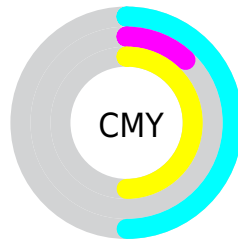
- Red (50%)
- Green (88%)
- Blue (50%)



- Red (50%)
- Yellow (88%)
- Blue (88%)



- Cyan (43%)
- Magenta (0%)
- Yellow (43%)
- Black (12%)



- Cyan (50%)
- Magenta (12%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7236, 59.9981, 29.9092 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 39.7236, 59.9981, 29.9092 by changing the saturation by 10% instead.

■ 39.7236, 59.9981,
29.9092

■ 39.7236, 59.9981,
29.9092

336.1116,
424.5908, 315.6751

■ 27.5064, 43.4171,
19.5182

■ 74.0295, 104.8269,
60.5779

■ 18.0924, 30.2125,
11.8647

■ 96.8488, 133.8435,
81.6926

■ 11.1165, 20.0000,
6.5302

■ 123.9328,
167.7741, 107.2190

■ 6.2131, 12.3950,
3.0961

155.6470,
207.0031, 137.5757

■ 3.0170, 7.0133,
1.1439

192.3566,
251.9149, 173.1811

■ 1.1627, 3.4704,
0.0000

234.4270,

■ 0.0766, 1.3820,

302.8938, 214.4537

0.0000

282.2236,
360.3243, 261.8122

■ 0.0000, 0.2034,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.7236, 59.9981,
29.9092

■ 39.7236, 59.9981,
29.9092

■ 35.3868, 57.9167,
22.8144

■ 45.1422, 62.6027,
38.7712

■ 32.0551, 56.3163,
17.3648


■ 51.7035, 65.7545,
49.5034


■ 29.6492, 55.1606,
13.4293


■ 59.4694, 69.4848,
62.2059


■ 28.0756, 54.4048,
10.8554

■ 68.4960, 73.8207,
76.9705

 27.2215, 53.9945,
9.4582

 78.8357, 78.7875,
93.8829

 26.9264, 53.8528,
8.9756

 86.2164, 82.3328,
105.9555

Harmonies

Analogous

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



48.5115, 59.9981, 18.7403



39.7236, 59.9981, 29.9092



35.7450, 59.9981, 54.8468

Triad

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



39.7236, 59.9981, 29.9092



53.2386, 59.9981, 164.4970



83.6435, 59.9981, 42.8417

Complementary

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



39.7236, 59.9981, 29.9092



52.3630, 36.8833, 75.5956

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.



85.4211, 59.9981, 77.0654



39.7236, 59.9981, 29.9092



66.4836, 59.9981, 157.3552

Square

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



39.7236, 59.9981, 29.9092



42.7319, 59.9981, 138.2447



78.7403, 59.9981, 121.3498



74.1985, 59.9981, 23.9936

Rectangle

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



39.7236, 59.9981, 29.9092



35.8640, 59.9981, 80.0464



78.7403, 59.9981, 121.3498



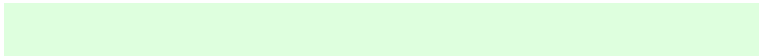
85.2087, 59.9981, 52.5339

Sweetspot

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



39.7251, 60.0006, 29.9105



79.0031, 92.2918, 82.6524



61.8754, 71.4195, 30.9467



16.3887, 19.5039, 16.8385



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.



39.7251, 60.0006, 29.9105



47.3806, 77.1020, 30.9282



43.7150, 61.5966, 50.9209



13.5288, 15.3373, 14.5542



15.5155, 31.0311, 5.1719



1.0755, 2.1509, 0.3585

Inverse Universe

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



52.3630, 36.8833, 75.5956



66.2984, 42.4974, 99.3146



46.6583, 34.6014, 45.5552



14.2951, 13.9357, 17.3241



25.7245, 12.3568, 42.0763



1.7831, 0.8565, 2.9165

Previews

White Background



This preview shows how the XYZ color 39.7236, 59.9981, 29.9092 looks on a white background.

Color Contrast Check

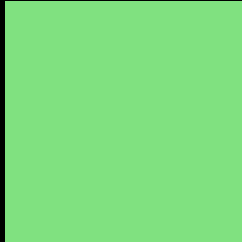
Large Text (above 18pt) WCAG AA × Fail

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 39.7236, 59.9981, 29.9092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

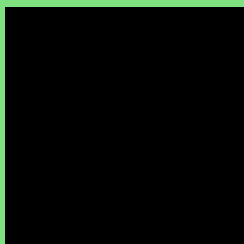
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

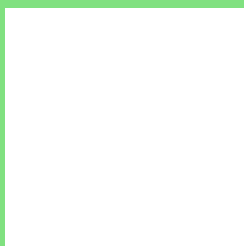
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.7236, 59.9981, 29.9092

Background



This preview shows how black text looks on a background with the XYZ color 39.7236, 59.9981, 29.9092.

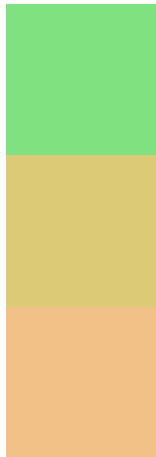


This preview shows how white text looks on a background with the XYZ color 39.7236, 59.9981,

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

39.7236, 59.9981, 29.9092

Protanopia

54.2691, 58.9451, 25.9700

Deuteranopia

60.0611, 58.7664, 31.0992



Tritanopia

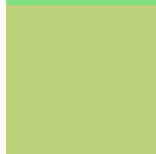
50.4716, 59.6912, 83.7243

Trichromacy



Original Color

39.7236, 59.9981, 29.9092



Protanomaly

47.0530, 58.0631, 27.1397



Deuteranomaly

50.0836, 57.7461, 30.3362



Tritanomaly

45.4230, 59.1387, 59.4729

Monochromacy



Original Color

39.7236, 59.9981, 29.9092



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

42.6650, 51.8814, 42.8874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7236, 59.9981, 29.9092 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(128, 225, 128)` looks like.

```
.text, #text, p{  
    color:rgb(128, 225, 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(128, 225, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 225, 128) }
```

Border

The CSS property to change the border of an element to XYZ 39.7236, 59.9981, 29.9092 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(128, 225, 128) }
```


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

```
.border{ border-color:rgb(128, 225, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 225, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 225, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 225, 128);  
box-shadow:4px 4px 4px 4px rgb(128, 225,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7236, 59.9981, 29.9092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 225, 128) }
```

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

```
.background{ background-color: rgb(128,  
225, 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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