

Converting Colors

XYZ(37.5679, 60.3639, 46.1737)

Have a look what the booklet for
XYZ(37.5679, 60.3639, 46.1737)
contains.

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Color

**XYZ(37.7261, 60.6489,
46.2772)**

Conversions

Conversions Part 1

Format	Color
Hex	45E6A7
RGB	69, 230, 167
RGB Percent	27%, 90%, 65%
CMY	0.7294, 0.0980, 0.3451
CMYK	0.70, 0.00, 0.27, 0.10
HSL	157°, 76%, 59%
HSV	157°, 70%, 90%
XYZ	37.7261, 60.6489, 46.2772
YIQ	174.6790, -75.7330, -53.7250

Conversions

Conversions Part 2

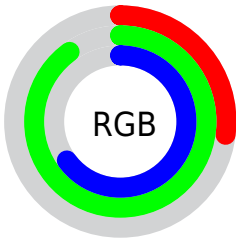
Format	Color
RYB	69, 169, 230
Decimal	4581031
CIELab	82.19, -55.78, 18.92
CIElCh	82, 58.898, 161.261
Yxy	60.6489, 0.2608, 0.4193
Android (android.graphics.Color)	4282771111 (0xFF45E6A7)
YUV	174.6790, -3.7857, -92.6805
Hunter-Lab	77.8774, -49.8148, 19.2822

Details

The XYZ color **37.7261, 60.6489, 46.2772** is a light color, and the websafe version is hex **00CC99**. The color can be described as light muted spring green. A complement of this color would be **38.9281, 22.7466, 24.1709**, and the grayscale version is **40.6302, 42.7461, 46.5505**.

A 20% lighter version of the original color is **59.0982, 82.0282, 81.8255**, and **18.0381, 31.1249, 21.2767** is the 20% darker color. If you saturate the color by 10%, you get **35.5965, 59.6455, 41.9850**, and if you desaturate by 10%, it is **40.5488, 62.0061, 50.9068**.

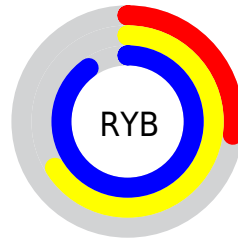
Distribution



Red (27%)

Green (90%)

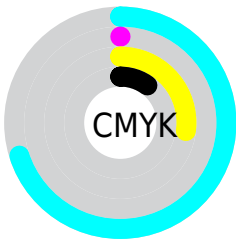
Blue (65%)



Red (27%)

Yellow (66%)

Blue (90%)

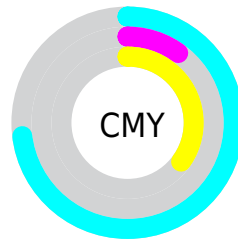


Cyan (70%)

Magenta (0%)

Yellow (27%)

Black (10%)



Cyan (73%)

Magenta (10%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7261, 60.6489, 46.2772 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 37.7261, 60.6489, 46.2772 by changing the saturation by 10% instead.

37.7261, 60.6489,
46.2772

37.7261, 60.6489,
46.2772

327.7448,
426.9855, 388.2319

25.9464, 43.9419,
32.1144

70.9947, 105.7704,
85.9723

16.9160, 30.6248,
21.1833

93.2144, 134.9537,
112.3418

10.2696, 20.3133,
13.0655

119.6448,
169.0645, 143.6171

5.6417, 12.6230,
7.3424

150.6512,
208.4872, 180.2169

2.6670, 7.1695,
3.5955

186.5991,
253.6063, 222.5598

0.9802, 3.5683,
1.4062

227.8537,

0.0000, 1.4351,

304.8061, 271.0642

0.1465

274.7805,
362.4710, 326.1487

■ 0.0000, 0.2424,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.7261, 60.6489,
46.2772

■ 37.7261, 60.6489,
46.2772

■ 35.5965, 59.6455,
41.9850

■ 40.5488, 62.0061,
50.9068

■ 34.0763, 58.9480,
38.0163


■ 44.1261, 63.7439,
55.8787


■ 33.0316, 58.4893,
34.3598


■ 48.5181, 65.8948,
61.2027


■ 33.0315, 58.4893,
34.3593


■ 53.7770, 68.4855,
66.8870

 59.9509, 71.5407,
72.9392

 67.0838, 75.0829,
79.3667

 75.2171, 79.1335,
86.1767

 84.3896, 83.7123,
93.3761

 86.4822, 84.6335,
100.5898

Harmonies

Analogous

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



43.1856, 60.6489, 26.5946



37.7261, 60.6489, 46.2772



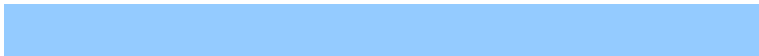
37.1171, 60.6489, 80.4313

Triad

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



37.7261, 60.6489, 46.2772



62.4736, 60.6489, 159.3201



77.6940, 60.6489, 30.2133

Complementary

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



37.7261, 60.6489, 46.2772



38.9281, 22.7466, 24.1709

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.



84.6155, 60.6489, 53.4703



37.7261, 60.6489, 46.2772



75.0176, 60.6489, 132.5772

Square

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



37.7261, 60.6489, 46.2772



50.2542, 60.6489, 155.1720



83.5707, 60.6489, 90.7448



65.7269, 60.6489, 19.9089

Rectangle

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



37.7261, 60.6489, 46.2772



39.4233, 60.6489, 108.6498



83.5707, 60.6489, 90.7448



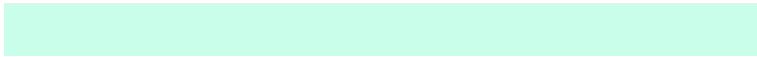
80.7610, 60.6489, 36.3380

Sweetspot

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



37.7277, 60.6513, 46.2786



74.8263, 89.9431, 91.2927



39.1091, 62.0451, 15.5456



15.5347, 19.0131, 19.0789



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.



37.7277, 60.6513, 46.2786



44.0343, 74.9344, 50.7609



40.7603, 55.0233, 83.3381



14.5560, 16.2358, 17.1927



18.7616, 33.1367, 19.7765



1.4317, 2.4668, 1.7000

Inverse Universe

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



38.9281, 22.7466, 24.1709



45.7035, 24.3031, 21.5572



36.9655, 23.7668, 8.2701



14.6093, 14.4609, 16.1432



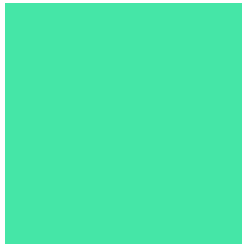
19.5758, 9.9645, 6.6612



1.4911, 0.7542, 0.7268

Previews

White Background



This preview shows how the XYZ color 37.7261, 60.6489, 46.2772 looks on a white background.

Color Contrast Check

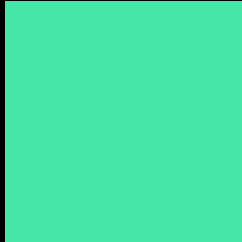
Large Text (above 18pt) WCAG AA × Fail

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 37.7261, 60.6489, 46.2772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

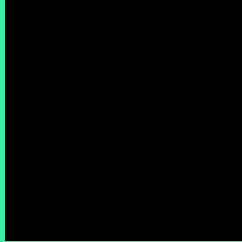
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

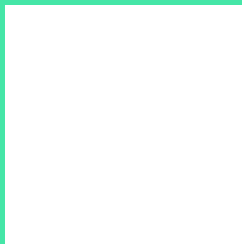
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.7261, 60.6489, 46.2772

Background



This preview shows how black text looks on a background with the XYZ color 37.7261, 60.6489, 46.2772.

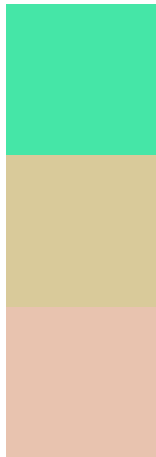


This preview shows how white text looks on a background with the XYZ color 37.7261, 60.6489,

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

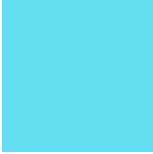
37.7261, 60.6489, 46.2772

Protanopia

55.5685, 59.3259, 39.0941

Deuteranopia

60.5317, 59.2812, 48.8095



Tritanopia

46.5820, 60.5975, 90.9027

Trichromacy



Original Color

37.7261, 60.6489, 46.2772



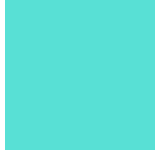
Protanomaly

44.9057, 57.3767, 41.5089



Deuteranomaly

47.2358, 56.9745, 47.5373



Tritanomaly

42.6904, 60.1901, 72.3186

Monochromacy



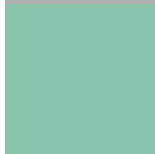
Original Color

37.7261, 60.6489, 46.2772



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

37.1148, 47.2430, 46.1924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7261, 60.6489, 46.2772 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(69, 230, 167)` looks like.

```
.text, #text, p{  
    color:rgb(69, 230, 167)  
}
```

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(69, 230, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 230, 167) }
```

Border

The CSS property to change the border of an element to XYZ 37.7261, 60.6489, 46.2772 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(69, 230, 167) }
```


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

```
.border{ border-color:rgb(69, 230, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 230, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 230, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 230, 167);  
box-shadow:4px 4px 4px 4px rgb(69, 230,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7261, 60.6489, 46.2772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 230, 167) }
```

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

```
.background{ background-color: rgb(69, 230,  
167) }
```

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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