

Converting Colors

XYZ(36.3577, 58.7690, 43.5212)

Have a look what the booklet for
XYZ(36.3577, 58.7690, 43.5212)
contains.

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Color

**XYZ(36.3746, 58.7757,
43.6101)**

Conversions

Conversions Part 1

Format	Color
Hex	44E3A2
RGB	68, 227, 162
RGB Percent	27%, 89%, 64%
CMY	0.7333, 0.1098, 0.3647
CMYK	0.70, 0.00, 0.29, 0.11
HSL	155°, 74%, 58%
HSV	155°, 70%, 89%
XYZ	36.3746, 58.7757, 43.6101
YIQ	172.0490, -73.8990, -53.9230

Conversions

Conversions Part 2

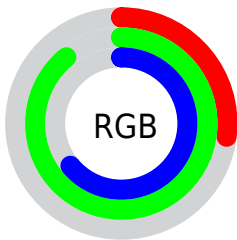
Format	Color
RYB	68, 168, 227
Decimal	4514722
CIELab	81.17, -55.81, 20.11
CIELCh	81, 59.325, 160.190
Yxy	58.7757, 0.2621, 0.4236
Android (android.graphics.Color)	4282704802 (0xFF44E3A2)
YUV	172.0490, -4.9542, -91.2510
Hunter-Lab	76.6653, -49.4732, 19.9393

Details

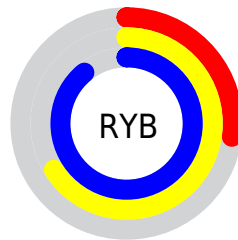
The XYZ color **36.3746, 58.7757, 43.6101** is a light color, and the websafe version is hex **00CC99**. The color can be described as light muted spring green. A complement of this color would be **37.9813, 22.1601, 24.4685**, and the grayscale version is **39.2902, 41.3363, 45.0153**.

A 20% lighter version of the original color is **58.2761, 81.6807, 78.3401**, and **17.1892, 29.8752, 19.6124** is the 20% darker color. If you saturate the color by 10%, you get **34.2926, 57.7957, 39.3649**, and if you desaturate by 10%, it is **39.1332, 60.1005, 48.2074**.

Distribution



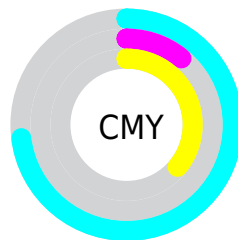
- Red (27%)
- Green (89%)
- Blue (64%)



- Red (27%)
- Yellow (66%)
- Blue (89%)



- Cyan (70%)
- Magenta (0%)
- Yellow (29%)
- Black (11%)





- Cyan (73%)
- Magenta (11%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3746, 58.7757, 43.6101 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 36.3746, 58.7757, 43.6101 by changing the saturation by 10% instead.


 36.3746, 58.7757,
43.6101


 36.3746, 58.7757,
43.6101


321.9977,
420.0702, 377.1095


 24.8951, 42.4326,
30.0292


 68.9300, 103.0516,
81.9269


 16.1272, 29.4402,
19.6085


 90.7365, 131.7532,
107.4999

 9.7056, 19.4141,
11.9295


 116.7161,
165.3430, 137.9073

 5.2650, 11.9698,
6.5737

 147.2342,
204.2055, 173.5676

 2.4399, 6.7231,
3.1226

182.6560,
248.7251, 214.8995

 0.8651, 3.2896,
1.1576

223.3470,

 0.0000, 1.2847,

299.2862, 262.3214

0.0000

269.6724,
356.2730, 316.2519

■ 0.0000, 0.1293,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.3746, 58.7757,
43.6101

■ 36.3746, 58.7757,
43.6101

■ 34.2926, 57.7957,
39.3649

■ 39.1332, 60.1005,
48.2074


■ 32.8059, 57.1143,
35.4573


■ 42.6283, 61.7962,
53.1624


■ 31.7871, 56.6670,
31.8899


■ 46.9179, 63.8942,
58.4854


■ 52.0531, 66.4207,
64.1851

 58.0804, 69.3994,
70.2697

 65.0426, 72.8524,
76.7471

 72.9800, 76.8003,
83.6250

 81.9303, 81.2624,
90.9107

 85.2719, 82.8249,
98.2999

Harmonies

Analogous

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



41.9030, 58.7757, 24.8434



36.3746, 58.7757, 43.6101



35.6059, 58.7757, 76.7931

Triad

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



36.3746, 58.7757, 43.6101



60.1702, 58.7757, 156.9419



76.0320, 58.7757, 29.3858

Complementary

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



36.3746, 58.7757, 43.6101



37.9813, 22.1601, 24.4685

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.



82.6377, 58.7757, 52.7073



36.3746, 58.7757, 43.6101



72.6266, 58.7757, 131.2487

Square

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



36.3746, 58.7757, 43.6101



48.1992, 58.7757, 151.6360



81.3071, 58.7757, 89.9139



64.3023, 58.7757, 18.9770

Rectangle

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



36.3746, 58.7757, 43.6101



37.7551, 58.7757, 104.6338



81.3071, 58.7757, 89.9139



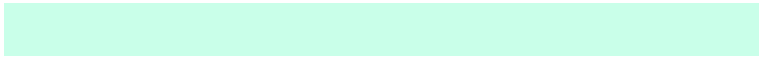
78.9984, 58.7757, 35.5354

Sweetspot

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



36.3762, 58.7780, 43.6115



74.6919, 89.8893, 90.5851



38.3859, 60.4469, 15.1140



15.5026, 19.0003, 18.9102



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.



36.3762, 58.7780, 43.6115



43.6814, 74.7933, 48.9026



40.2343, 54.7440, 81.1218



14.5451, 16.2315, 17.1350



18.5970, 33.0709, 18.9098



1.4201, 2.4622, 1.6388

Inverse Universe

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



37.9813, 22.1601, 24.4685



45.9467, 24.4003, 22.8379



35.6847, 22.6718, 7.9651



14.6200, 14.4652, 16.1994



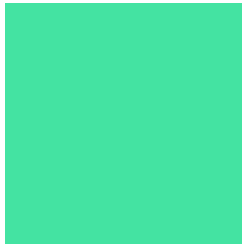
19.6768, 10.0049, 7.1930



1.4992, 0.7574, 0.7694

Previews

White Background



This preview shows how the XYZ color 36.3746, 58.7757, 43.6101 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 36.3746, 58.7757, 43.6101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

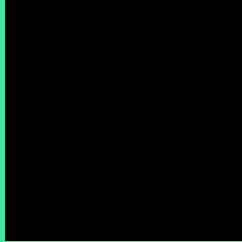
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.3746, 58.7757, 43.6101

Background



This preview shows how black text looks on a background with the XYZ color 36.3746, 58.7757, 43.6101.

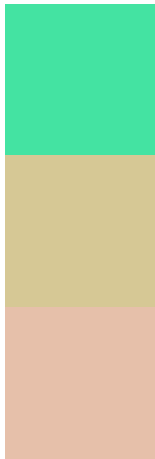


This preview shows how white text looks on a background with the XYZ color 36.3746, 58.7757,

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

36.3746, 58.7757, 43.6101

Protanopia

53.8106, 57.7746, 36.7493

Deuteranopia

58.7385, 57.4245, 46.0184



Tritanopia

45.1038, 58.7376, 87.5575

Trichromacy



Original Color

36.3746, 58.7757, 43.6101



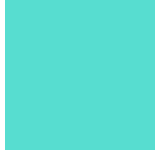
Protanomaly

43.5773, 56.0033, 39.0848



Deuteranomaly

45.6010, 55.1106, 44.7932



Tritanomaly

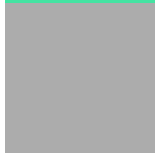
41.1721, 58.2932, 68.7562

Monochromacy



Original Color

36.3746, 58.7757, 43.6101



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

35.7490, 45.5948, 43.9623

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3746, 58.7757, 43.6101 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(68, 227, 162)` looks like.

```
.text, #text, p{  
    color:rgb(68, 227, 162)  
}
```

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(68, 227, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 227, 162) }
```

Border

The CSS property to change the border of an element to XYZ 36.3746, 58.7757, 43.6101 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(68, 227, 162) }
```


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

```
.border{ border-color:rgb(68, 227, 162) }
```

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

Here you see how a box with a 4 pixel rgb(68, 227, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 227, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 227, 162);  
box-shadow:4px 4px 4px 4px rgb(68, 227,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3746, 58.7757, 43.6101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 227, 162) }
```

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

```
.background{ background-color: rgb(68, 227,  
162) }
```

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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