

Converting Colors

XYZ(36.6549, 55.4231, 54.4059)

Have a look what the booklet for
XYZ(36.6549, 55.4231, 54.4059)
contains.

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Color

**XYZ(36.7610, 55.5435,
54.6824)**

Conversions

Conversions Part 1

Format	Color
Hex	48DBB9
RGB	72, 219, 185
RGB Percent	28%, 86%, 73%
CMY	0.7176, 0.1412, 0.2745
CMYK	0.67, 0.00, 0.16, 0.14
HSL	166°, 67%, 57%
HSV	166°, 67%, 86%
XYZ	36.7610, 55.5435, 54.6824
YIQ	171.1710, -76.6980, -41.7380

Conversions

Conversions Part 2

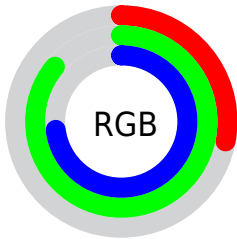
Format	Color
RYB	72, 155, 219
Decimal	4774841
CIELab	79.35, -46.71, 5.43
CIELCh	79, 47.025, 173.371
Yxy	55.5435, 0.2501, 0.3779
Android (android.graphics.Color)	4282964921 (0xFF48DBB9)
YUV	171.1710, 6.8177, -86.9730
Hunter-Lab	74.5275, -42.3773, 8.6669

Details

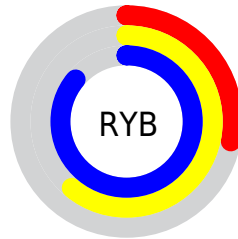
The XYZ color **36.7610, 55.5435, 54.6824** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **34.1342, 20.7370, 15.8416**, and the grayscale version is **38.7907, 40.8109, 44.4430**.

A 20% lighter version of the original color is **61.9537, 83.1892, 96.0109**, and **17.2621, 27.8603, 26.2976** is the 20% darker color. If you saturate the color by 10%, you get **34.8848, 54.6383, 51.8535**, and if you desaturate by 10%, it is **39.2407, 56.7603, 57.6415**.

Distribution



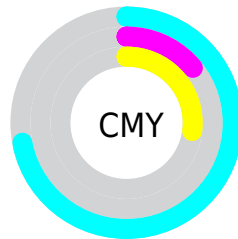
- Red (28%)
- Green (86%)
- Blue (73%)



- Red (28%)
- Yellow (61%)
- Blue (86%)



- Cyan (67%)
- Magenta (0%)
- Yellow (16%)
- Black (14%)





- Cyan (72%)
- Magenta (14%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7610, 55.5435, 54.6824 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 36.7610, 55.5435, 54.6824 by changing the saturation by 10% instead.


 36.7610, 55.5435,
54.6824


 36.7610, 55.5435,
54.6824


323.6482,
407.9689, 421.9549


 25.1953, 39.8370,
38.7506


 69.5213, 98.3368,
98.5419


 16.3521, 27.4115,
26.2594


 91.4466, 126.1924,
127.3068

 9.8661, 17.8825,
16.7903


 117.5558,
158.8666, 161.1864

 5.3719, 10.8657,
9.9247

 148.2143,
196.7437, 200.5993

 2.5040, 5.9766,
5.2441

183.7874,
240.2080, 245.9641

 0.8973, 2.8308,
2.3300

224.6405,

 0.0000, 1.0441,

289.6441, 297.6992

0.7479

271.1390,
345.4362, 356.2233

■ 0.0000, 0.0000,
0.0000

■ 36.7610, 55.5435,
54.6824

■ 36.7610, 55.5435,
54.6824

■ 34.8848, 54.6383,
51.8535

■ 39.2407, 56.7603,
57.6415

■ 33.5421, 54.0047,
49.1467

■ 42.3747, 58.3108,
60.7305

■ 32.6486, 53.6004,
46.5585

■ 46.2140, 60.2227,
63.9540

■ 32.4326, 53.5049,
45.8330

■ 50.8029, 62.5187,
67.3150

■ 56.1821, 65.2198,
70.8165

■ 62.3893, 68.3455,
74.4610

■ 69.4599, 71.9140,
78.2513

■ 77.4269, 75.9422,
82.1897

■ 80.9389, 77.6714,
86.0268

Harmonies

Analogous

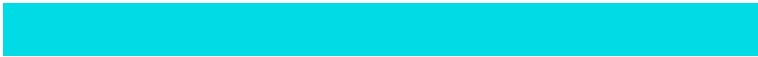
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.5446, 55.5435, 34.4981



36.7610, 55.5435, 54.6824



37.8443, 55.5435, 83.4884

Triad

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



36.7610, 55.5435, 54.6824



60.3119, 55.5435, 121.7191



64.3586, 55.5435, 27.6584

Complementary

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



36.7610, 55.5435, 54.6824



34.1342, 20.7370, 15.8416

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.



71.2346, 55.5435, 42.1383



36.7610, 55.5435, 54.6824



68.7108, 55.5435, 97.0249

Square

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



36.7610, 55.5435, 54.6824



50.7282, 55.5435, 128.0606



72.9152, 55.5435, 66.6681



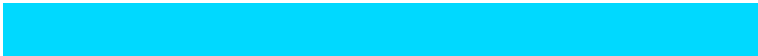
54.9119, 55.5435, 22.1873

Rectangle

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



36.7610, 55.5435, 54.6824



40.6853, 55.5435, 103.5747



72.9152, 55.5435, 66.6681



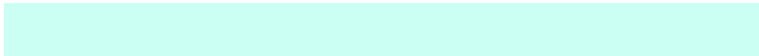
67.0906, 55.5435, 31.3810

Sweetspot

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



36.7626, 55.5457, 54.6837



76.8702, 90.8407, 98.4375



32.4826, 54.2158, 14.8848



15.9891, 19.2105, 20.7691



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.



36.7626, 55.5457, 54.6837



48.2900, 76.6753, 71.4292



31.7414, 39.0562, 72.8859



13.3093, 14.7754, 16.0918



19.2742, 31.7423, 27.4068



1.2807, 2.0692, 1.9441

Inverse Universe

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



34.1342, 20.7370, 15.8416



44.4372, 24.2596, 13.4617



36.0913, 26.9425, 9.4303



13.1788, 13.1006, 14.2029



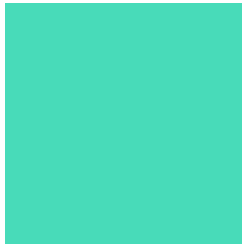
17.7070, 9.0839, 2.8373



1.1804, 0.6018, 0.3591

Previews

White Background



This preview shows how the XYZ color 36.7610, 55.5435, 54.6824 looks on a white background.

Color Contrast Check

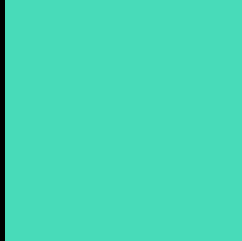
Large Text (above 18pt) WCAG AA × Fail

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 36.7610, 55.5435, 54.6824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

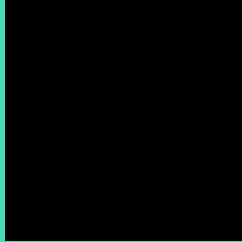
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

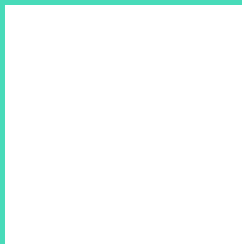
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.7610, 55.5435, 54.6824

Background



This preview shows how black text looks on a background with the XYZ color 36.7610, 55.5435, 54.6824.



This preview shows how white text looks on a background with the XYZ color 36.7610, 55.5435,

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

36.7610, 55.5435, 54.6824

Protanopia

51.6400, 54.3995, 46.8082

Deuteranopia

55.7364, 54.6480, 57.4797



Tritanopia

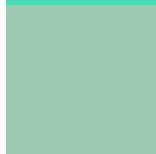
42.4908, 55.5770, 83.3508

Trichromacy



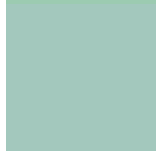
Original Color

36.7610, 55.5435, 54.6824



Protanomaly

43.0020, 52.9541, 49.5497



Deuteranomaly

44.9438, 52.7692, 55.9608



Tritanomaly

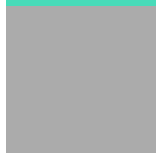
40.1843, 55.3872, 72.1912

Monochromacy



Original Color

36.7610, 55.5435, 54.6824



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

35.8114, 44.2519, 47.7283

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7610, 55.5435, 54.6824 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(72, 219, 185)` looks like.

```
.text, #text, p{  
    color:rgb(72, 219, 185)  
}
```

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(72, 219, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 219, 185) }
```

Border

The CSS property to change the border of an element to XYZ 36.7610, 55.5435, 54.6824 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(72, 219, 185) }
```


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

```
.border{ border-color:rgb(72, 219, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 219, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 219, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 219, 185);  
box-shadow:4px 4px 4px 4px rgb(72, 219,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7610, 55.5435, 54.6824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 219, 185) }
```

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

```
.background{ background-color: rgb(72, 219,  
185) }
```

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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