

Converting Colors

XYZ(30.5231, 50.7500, 38.3658)

Have a look what the booklet for
XYZ(30.5231, 50.7500, 38.3658)
contains.

XYZ(30.5239, 50.7681, 38.3274)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.5239, 50.7681,
38.3274)**

Conversions

Conversions Part 1

Format	Color
Hex	24D699
RGB	36, 214, 153
RGB Percent	14%, 84%, 60%
CMY	0.8588, 0.1608, 0.4000
CMYK	0.83, 0.00, 0.29, 0.16
HSL	159°, 71%, 49%
HSV	159°, 83%, 84%
XYZ	30.5239, 50.7681, 38.3274
YIQ	153.8240, -86.5070, -56.7070

Conversions

Conversions Part 2

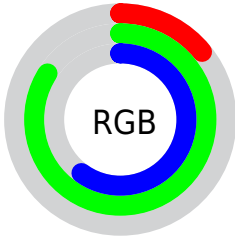
Format	Color
RYB	36, 143, 214
Decimal	2414233
CIELab	76.54, -56.47, 18.33
CIELCh	77, 59.371, 162.013
Yxy	50.7681, 0.2552, 0.4244
Android (android.graphics.Color)	4280604313 (0xFF24D699)
YUV	153.8240, -0.4062, -103.3316
Hunter-Lab	71.2517, -48.2220, 17.9832

Details

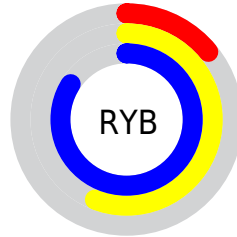
The XYZ color **30.5239, 50.7681, 38.3274** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **30.5219, 16.4223, 12.8731**, and the grayscale version is **30.6687, 32.2659, 35.1376**.

A 20% lighter version of the original color is **53.9619, 79.6024, 71.5522**, and **14.6251, 25.4130, 16.7048** is the 20% darker color. If you saturate the color by 10%, you get **29.4006, 50.2582, 35.2100**, and if you desaturate by 10%, it is **32.1329, 51.5267, 41.6642**.

Distribution



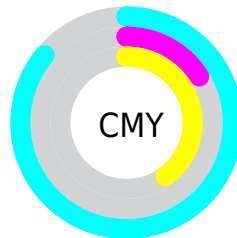
- Red (14%)
- Green (84%)
- Blue (60%)



- Red (14%)
- Yellow (56%)
- Blue (84%)



- Cyan (83%)
- Magenta (0%)
- Yellow (29%)
- Black (16%)





- Cyan (86%)
- Magenta (16%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.5239, 50.7681, 38.3274 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 30.5239, 50.7681, 38.3274 by changing the saturation by 10% instead.


 30.5239, 50.7681,
38.3274


 30.5239, 50.7681,
38.3274


296.2051,
389.6621, 354.3626

 20.3866, 36.0241,
25.9331


 59.8707, 91.3119,
73.8187


 12.7863, 24.4528,
16.5483


 79.8109, 117.8805,
97.7527


 7.3575, 15.6698,
9.7544


 103.7495,
149.1593, 126.3704

 3.7350, 9.2908,
5.1330

 132.0517,
185.5329, 160.0903

 1.5533, 4.9314,
2.2654

 165.0831,
227.3856, 199.3309

 0.3617, 2.2070,
0.7117

203.2089,

 0.0000, 0.7238,

275.1018, 244.5108

0.0000

246.7944,
329.0658, 296.0485

■ 0.0000, 0.0000,
0.0000

■ 30.5239, 50.7681,
38.3274

■ 30.5239, 50.7681,
38.3274

■ 29.4006, 50.2582,
35.2100

■ 32.1329, 51.5267,
41.6642

■ 28.8300, 50.0079,
33.2002

■ 34.2933, 52.5639,
45.2234

■ 37.0646, 53.9116,
49.0123

■ 40.4971, 55.5955,
53.0364

■ 44.6356, 57.6390,
57.3010

■ 49.5212, 60.0628,
61.8110

■ 55.1916, 62.8865,
66.5713

■ 61.6817, 66.1280,
71.5863

■ 69.0246, 69.8042,
76.8605

Harmonies

Analogous

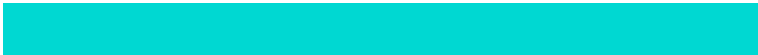
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.2211, 50.7681, 20.9362



30.5239, 50.7681, 38.3274



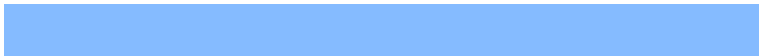
30.0976, 50.7681, 69.1418

Triad

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



30.5239, 50.7681, 38.3274



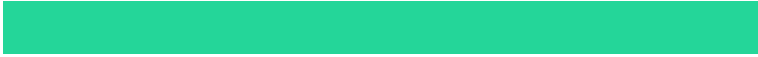
52.8785, 50.7681, 140.2702



66.0989, 50.7681, 23.4084

Complementary

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



30.5239, 50.7681, 38.3274



30.5219, 16.4223, 12.8731

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.



72.5462, 50.7681, 43.4033



30.5239, 50.7681, 38.3274



64.1595, 50.7681, 114.9731

Square

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



30.5239, 50.7681, 38.3274



41.9008, 50.7681, 137.1959



71.7860, 50.7681, 76.6079



55.2180, 50.7681, 14.9069

Rectangle

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



30.5239, 50.7681, 38.3274



32.1919, 50.7681, 94.8679



71.7860, 50.7681, 76.6079



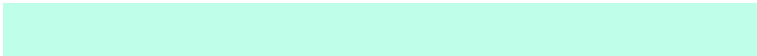
68.9271, 50.7681, 28.5937

Sweetspot

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



30.5253, 50.7701, 38.3286



72.0385, 88.5207, 90.4939



29.4363, 50.8361, 9.9307



14.8575, 18.6683, 18.8568



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.



30.5253, 50.7701, 38.3286



42.7913, 74.3325, 48.9465



30.7009, 40.9004, 69.8971



12.6029, 14.0322, 14.9895



17.4758, 30.2457, 20.3330



1.0922, 1.8395, 1.4273

Inverse Universe

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



30.5219, 16.4223, 12.8731



42.9764, 21.9546, 11.0737



29.8126, 17.9469, 3.5626



12.5972, 12.4904, 13.8189



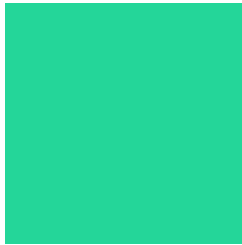
17.5398, 8.9522, 4.8807



1.0962, 0.5553, 0.4960

Previews

White Background



This preview shows how the XYZ color 30.5239, 50.7681, 38.3274 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 30.5239, 50.7681, 38.3274 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

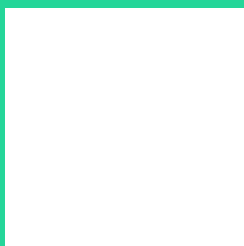
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.5239, 50.7681, 38.3274

Background



This preview shows how black text looks on a background with the XYZ color 30.5239, 50.7681, 38.3274.

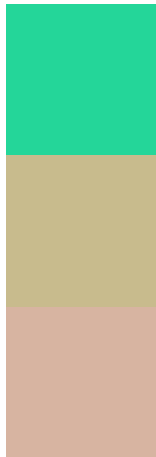


This preview shows how white text looks on a background with the XYZ color 30.5239, 50.7681,

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

30.5239, 50.7681, 38.3274

Protanopia

46.3975, 49.7431, 32.3553

Deuteranopia

50.7786, 49.6628, 40.6278



Tritanopia

38.1580, 50.5563, 76.8544

Trichromacy



Original Color

30.5239, 50.7681, 38.3274



Protanomaly

35.8923, 47.5523, 34.0748



Deuteranomaly

37.5989, 46.6519, 39.3708



Tritanomaly

34.6838, 50.1997, 60.6848

Monochromacy



Original Color

30.5239, 50.7681, 38.3274



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

27.9136, 36.7633, 36.1967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5239, 50.7681, 38.3274 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(36, 214, 153)` looks like.

```
.text, #text, p{  
    color:rgb(36, 214, 153)  
}
```

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(36, 214, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 214, 153) }
```

Border

The CSS property to change the border of an element to XYZ 30.5239, 50.7681, 38.3274 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(36, 214, 153) }
```


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

```
.border{ border-color:rgb(36, 214, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 214, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 214, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 214, 153);  
box-shadow:4px 4px 4px 4px rgb(36, 214,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5239, 50.7681, 38.3274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 214, 153) }
```

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

```
.background{ background-color: rgb(36, 214,  
153) }
```

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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