

Converting Colors

XYZ(32.6596, 51.9667, 35.8796)

Have a look what the booklet for
XYZ(32.6596, 51.9667, 35.8796)
contains.

XYZ(32.6213, 51.9052, 35.9031)	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(32.6213, 51.9052,
35.9031)**

Conversions

Conversions Part 1

Format	Color
Hex	50D693
RGB	80, 214, 147
RGB Percent	31%, 84%, 58%
CMY	0.6863, 0.1608, 0.4235
CMYK	0.63, 0.00, 0.31, 0.16
HSL	150°, 62%, 58%
HSV	150°, 63%, 84%
XYZ	32.6213, 51.9052, 35.9031
YIQ	166.2960, -58.3570, -49.2450

Conversions

Conversions Part 2

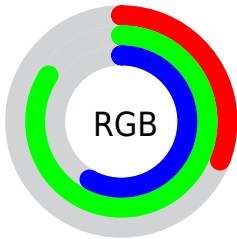
Format	Color
RYB	80, 169, 214
Decimal	5297811
CIELab	77.22, -51.76, 22.56
CIELCh	77, 56.459, 156.449
Yxy	51.9052, 0.2709, 0.4310
Android (android.graphics.Color)	4283487891 (0xFF50D693)
YUV	166.2960, -9.5129, -75.6816
Hunter-Lab	72.0453, -45.2564, 20.8851

Details

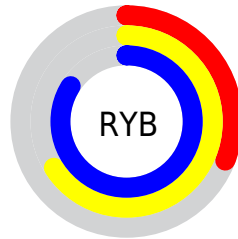
The XYZ color **32.6213, 51.9052, 35.9031** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **35.8684, 22.1412, 29.9890**, and the grayscale version is **36.4548, 38.3533, 41.7667**.

A 20% lighter version of the original color is **57.2871, 81.3998, 67.9507**, and **14.3382, 25.2982, 15.1937** is the 20% darker color. If you saturate the color by 10%, you get **30.2931, 50.7989, 31.6136**, and if you desaturate by 10%, it is **35.6056, 53.3435, 40.6333**.

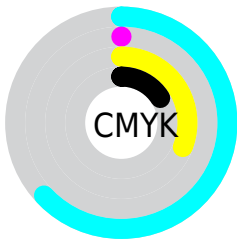
Distribution



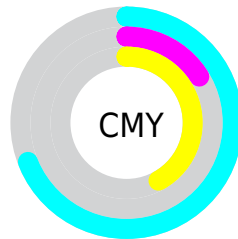
- Red (31%)
- Green (84%)
- Blue (58%)



- Red (31%)
- Yellow (66%)
- Blue (84%)



- Cyan (63%)
- Magenta (0%)
- Yellow (31%)
- Black (16%)





- Cyan (69%)
- Magenta (16%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.6213, 51.9052, 35.9031 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 32.6213, 51.9052, 35.9031 by changing the saturation by 10% instead.


 32.6213, 51.9052,
35.9031


 32.6213, 51.9052,
35.9031


305.6351,
394.0705, 343.5614

 21.9943, 36.9295,
24.0703


 63.1425, 92.9914,
70.0498


 13.9693, 25.1529,
15.1731


 83.7674, 119.8707,
93.2008

 8.1809, 16.1910,
8.7930


 108.4557,
151.4867, 120.9616

 4.2637, 9.6594,
4.5114

 137.5727,
188.2238, 153.7507

 1.8524, 5.1737,
1.9099

171.4838,
230.4663, 191.9867

 0.5489, 2.3496,
0.4990

210.5543,

 0.0000, 0.7998,

278.5987, 236.0881

0.0000

255.1496,
333.0053, 286.4735

■ 0.0000, 0.0000,
0.0000

■ 32.6213, 51.9052,
35.9031

■ 32.6213, 51.9052,
35.9031

■ 30.2931, 50.7989,
31.6136

■ 35.6056, 53.3435,
40.6333

■ 28.5580, 49.9882,
27.7475

■ 39.2933, 55.1337,
45.8137

■ 27.3466, 49.4390,
24.2911

■ 43.7320, 57.3016,
51.4580

■ 26.7013, 49.1566,
21.9906

■ 48.9635, 59.8685,
57.5779

■ 55.0266, 62.8542,
64.1848

61.9576, 66.2772,
71.2898

69.7904, 70.1547,
78.9033

78.5571, 74.5032,
87.0357

81.5114, 75.8446,
95.3797

Harmonies

Analogous

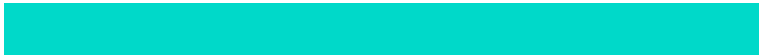
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.9824, 51.9052, 20.8711



32.6213, 51.9052, 35.9031



31.4215, 51.9052, 63.4724

Triad

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



32.6213, 51.9052, 35.9031



51.7070, 51.9052, 138.7536



68.0234, 51.9052, 28.0038

Complementary

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



32.6213, 51.9052, 35.9031



35.8684, 22.1412, 29.9890

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.



73.0171, 51.9052, 50.0873



32.6213, 51.9052, 35.9031



62.7488, 51.9052, 119.2324

Square

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



32.6213, 51.9052, 35.9031



41.4830, 51.9052, 130.5774



70.9580, 51.9052, 83.8086



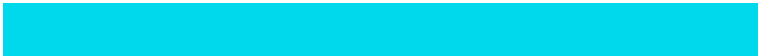
58.1186, 51.9052, 17.6139

Rectangle

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



32.6213, 51.9052, 35.9031



32.9598, 51.9052, 87.4084



70.9580, 51.9052, 83.8086



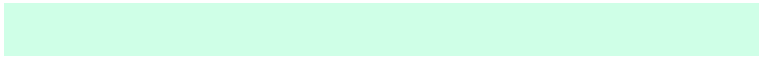
70.3933, 51.9052, 33.9235

Sweetspot

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



32.6227, 51.9073, 35.9043



75.7585, 90.4775, 88.9054



37.9333, 55.0861, 16.2234



15.6815, 19.1032, 18.4356



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.



32.6227, 51.9073, 35.9043



44.1486, 75.1178, 45.1431



39.2108, 54.5425, 70.5968



12.5188, 13.9985, 14.5463



16.1911, 29.7318, 13.5682



1.0184, 1.8100, 1.0384

Inverse Universe

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



35.8684, 22.1412, 29.9890



49.3501, 27.4150, 35.6633



32.1336, 20.6473, 10.3216



12.6796, 12.5233, 14.2532



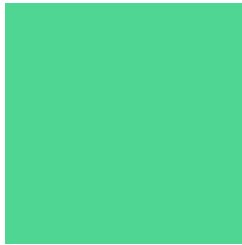
18.4186, 9.3038, 9.5086



1.1527, 0.5779, 0.7935

Previews

White Background



This preview shows how the XYZ color 32.6213, 51.9052, 35.9031 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 32.6213, 51.9052, 35.9031 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 32.6213, 51.9052, 35.9031

Background



This preview shows how black text looks on a background with the XYZ color 32.6213, 51.9052, 35.9031.

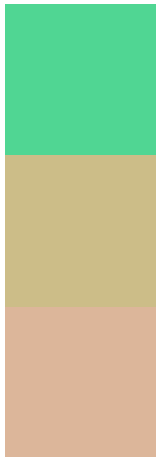


This preview shows how white text looks on a background with the XYZ color 32.6213, 51.9052,

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

32.6213, 51.9052, 35.9031

Protanopia

47.5434, 51.0101, 30.6327

Deuteranopia

52.0759, 51.0046, 37.6720



Tritanopia

40.7082, 51.8864, 76.2761

Trichromacy



Original Color

32.6213, 51.9052, 35.9031



Protanomaly

39.2258, 49.6525, 32.3274



Deuteranomaly

41.2399, 49.2530, 36.6114



Tritanomaly

37.1174, 51.4936, 59.0219

Monochromacy



Original Color

32.6213, 51.9052, 35.9031



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

33.1832, 41.5211, 39.0663

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6213, 51.9052, 35.9031 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(80, 214, 147)` looks like.

```
.text, #text, p{  
    color:rgb(80, 214, 147)  
}
```

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(80, 214, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 214, 147) }
```

Border

The CSS property to change the border of an element to XYZ 32.6213, 51.9052, 35.9031 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(80, 214, 147) }
```


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

```
.border{ border-color:rgb(80, 214, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 214, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 214, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 214, 147);  
box-shadow:4px 4px 4px 4px rgb(80, 214,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 32.6213, 51.9052, 35.9031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 214, 147) }
```

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

```
.background{ background-color: rgb(80, 214,  
147) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor