

Converting Colors

XYZ(32.2562, 51.8088, 35.2278)

Have a look what the booklet for
XYZ(32.2562, 51.8088, 35.2278)
contains.

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Color

**XYZ(32.2180, 51.7152,
35.0720)**

Conversions

Conversions Part 1

Format	Color
Hex	4DD691
RGB	77, 214, 145
RGB Percent	30%, 84%, 57%
CMY	0.6980, 0.1608, 0.4314
CMYK	0.64, 0.00, 0.32, 0.16
HSL	150°, 63%, 57%
HSV	150°, 64%, 84%
XYZ	32.2180, 51.7152, 35.0720
YIQ	165.1710, -59.5030, -50.5030

Conversions

Conversions Part 2

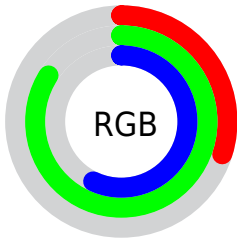
Format	Color
RYB	77, 169, 214
Decimal	5101201
CIELab	77.11, -52.71, 23.44
CIELCh	77, 57.689, 156.029
Yxy	51.7152, 0.2707, 0.4346
Android (android.graphics.Color)	4283291281 (0xFF4DD691)
YUV	165.1710, -9.9443, -77.3260
Hunter-Lab	71.9133, -45.8781, 21.4237

Details

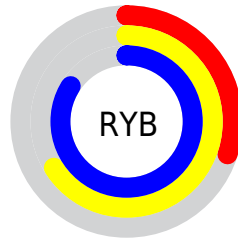
The XYZ color **32.2180, 51.7152, 35.0720** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **35.5755, 21.6805, 29.5061**, and the grayscale version is **35.9142, 37.7846, 41.1474**.

A 20% lighter version of the original color is **56.7163, 81.1325, 66.7037**, and **14.2472, 25.2619, 14.7148** is the 20% darker color. If you saturate the color by 10%, you get **29.9750, 50.6518, 30.8330**, and if you desaturate by 10%, it is **35.1104, 53.1070, 39.7553**.

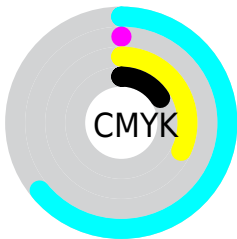
Distribution



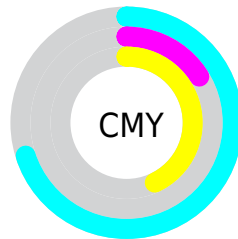
- Red (30%)
- Green (84%)
- Blue (57%)



- Red (30%)
- Yellow (66%)
- Blue (84%)



- Cyan (64%)
- Magenta (0%)
- Yellow (32%)
- Black (16%)





- Cyan (70%)
- Magenta (16%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.2180, 51.7152, 35.0720 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 32.2180, 51.7152, 35.0720 by changing the saturation by 10% instead.


 32.2180, 51.7152,
35.0720


 32.2180, 51.7152,
35.0720


303.8388,
393.3361, 339.7999


 21.6844, 36.7781,
23.4343


 62.5156, 92.7111,
68.7501


 13.7405, 25.0357,
14.7062


 83.0103, 119.5387,
91.6277

 8.0209, 16.1037,
8.4692


 107.5561,
151.0986, 119.0890

 4.1602, 9.5976,
4.3045

 136.5183,
187.7751, 151.5525

 1.7932, 5.1329,
1.7939

170.2623,
229.9528, 189.4368

 0.5136, 2.3255,
0.4239

209.1535,

 0.0000, 0.7871,

278.0159, 233.1605

0.0000

253.5572,
332.3489, 283.1420

■ 0.0000, 0.0000,
0.0000

■ 32.2180, 51.7152,
35.0720

■ 32.2180, 51.7152,
35.0720

■ 29.9750, 50.6518,
30.8330

■ 35.1104, 53.1070,
39.7553

■ 28.3170, 49.8797,
27.0205

■ 38.7005, 54.8478,
44.8929

■ 27.1724, 49.3638,
23.6205

■ 43.0364, 56.9635,
50.4985

■ 26.6603, 49.1401,
21.7750

■ 48.1607, 59.4757,
56.5843

■ 54.1126, 62.4046,
63.1621

■ 60.9287, 65.7688,
70.2430

■ 68.6433, 69.5857,
77.8379

■ 77.2887, 73.8718,
85.9572

■ 81.3158, 75.7663,
94.3501

Harmonies

Analogous

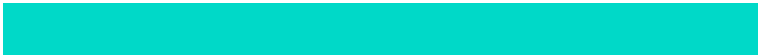
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.7104, 51.7152, 20.1012



32.2180, 51.7152, 35.0720



30.9442, 51.7152, 62.9292

Triad

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



32.2180, 51.7152, 35.0720



51.4140, 51.7152, 140.8220



68.3655, 51.7152, 27.6181

Complementary

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



32.2180, 51.7152, 35.0720



35.5755, 21.6805, 29.5061

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.



73.3897, 51.7152, 50.1703



32.2180, 51.7152, 35.0720



62.7053, 51.7152, 121.0513

Square

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



32.2180, 51.7152, 35.0720



41.0354, 51.7152, 131.9861



71.1774, 51.7152, 84.7473



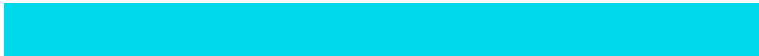
58.2778, 51.7152, 17.0602

Rectangle

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



32.2180, 51.7152, 35.0720



32.4615, 51.7152, 87.3701



71.1774, 51.7152, 84.7473



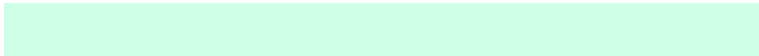
70.7662, 51.7152, 33.6499

Sweetspot

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



32.2194, 51.7173, 35.0732



75.7336, 90.4675, 88.7740



37.5614, 54.9069, 15.6403



15.6755, 19.1008, 18.4039



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.



32.2194, 51.7173, 35.0732



43.5527, 74.8430, 43.6502



38.9568, 54.4122, 70.5519



12.5168, 13.9977, 14.5361



16.1663, 29.7219, 13.4374



1.0169, 1.8094, 1.0305

Inverse Universe

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



35.5755, 21.6805, 29.5061



48.9184, 26.8050, 34.7380



31.8085, 20.1737, 9.6695



12.6816, 12.5241, 14.2633



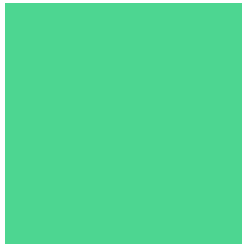
18.4437, 9.3138, 9.6405



1.1542, 0.5785, 0.8015

Previews

White Background



This preview shows how the XYZ color 32.2180, 51.7152, 35.0720 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 32.2180, 51.7152, 35.0720 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

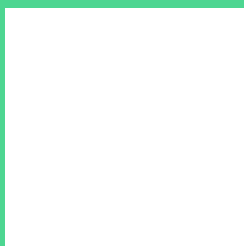
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.2180, 51.7152, 35.0720

Background



This preview shows how black text looks on a background with the XYZ color 32.2180, 51.7152, 35.0720.



This preview shows how white text looks on a background with the XYZ color 32.2180, 51.7152,

35.0720.

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

32.2180, 51.7152, 35.0720

Protanopia

47.4025, 50.9538, 29.8909

Deuteranopia

51.7066, 50.5304, 36.7339



Tritanopia

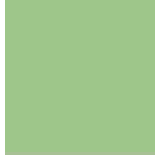
40.2375, 51.2898, 76.1858

Trichromacy



Original Color

32.2180, 51.7152, 35.0720



Protanomaly

38.8821, 49.4922, 31.5484



Deuteranomaly

40.6432, 48.6347, 35.6791



Tritanomaly

36.7976, 51.3417, 58.4226

Monochromacy



Original Color

32.2180, 51.7152, 35.0720



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

32.7779, 41.3221, 38.5961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2180, 51.7152, 35.0720 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(77, 214, 145)` looks like.

```
.text, #text, p{  
    color:rgb(77, 214, 145)  
}
```

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(77, 214, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 214, 145) }
```

Border

The CSS property to change the border of an element to XYZ 32.2180, 51.7152, 35.0720 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(77, 214, 145) }
```


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

```
.border{ border-color:rgb(77, 214, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 214, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 214, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 214, 145);  
box-shadow:4px 4px 4px 4px rgb(77, 214,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2180, 51.7152, 35.0720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 214, 145) }
```

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

```
.background{ background-color: rgb(77, 214,  
145) }
```

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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