

Converting Colors

XYZ(35.1654, 50.9499, 68.8315)

Have a look what the booklet for
XYZ(35.1654, 50.9499, 68.8315)
contains.

XYZ(35.2149, 51.0223, 68.9650)	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(35.2149, 51.0223,
68.9650)**

Conversions

Conversions Part 1

Format	Color
Hex	1ED2D2
RGB	30, 210, 210
RGB Percent	12%, 82%, 82%
CMY	0.8823, 0.1765, 0.1765
CMYK	0.86, 0.00, 0.00, 0.18
HSL	180°, 75%, 47%
HSV	180°, 86%, 82%
XYZ	35.2149, 51.0223, 68.9650
YIQ	156.1800, -107.2800, -38.1600

Conversions

Conversions Part 2

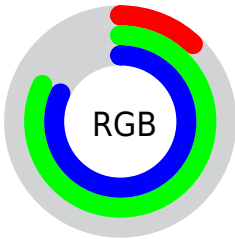
Format	Color
RYB	30, 120, 210
Decimal	2020050
CIELab	76.69, -40.42, -11.94
CIELCh	77, 42.150, 196.462
Yxy	51.0223, 0.2269, 0.3287
Android (android.graphics.Color)	4280210130 (0xFF1ED2D2)
YUV	156.1800, 26.5333, -110.6599
Hunter-Lab	71.4299, -37.0019, -7.2431

Details

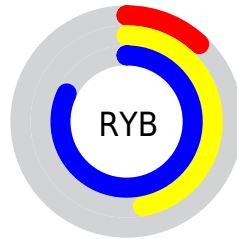
The XYZ color **35.2149, 51.0223, 68.9650** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **27.2787, 14.7257, 2.6346**, and the grayscale version is **31.6035, 33.2494, 36.2085**.

A 20% lighter version of the original color is **60.8802, 82.3848, 107.3009**, and **17.7221, 25.8430, 35.5066** is the 20% darker color. If you saturate the color by 10%, you get **34.7933, 50.8060, 68.9463**, and if you desaturate by 10%, it is **36.0468, 51.4523, 69.0052**.

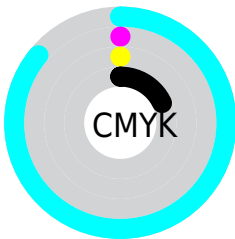
Distribution



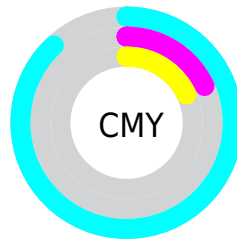
- Red (12%)
- Green (82%)
- Blue (82%)



- Red (12%)
- Yellow (47%)
- Blue (82%)



- Cyan (86%)
- Magenta (0%)
- Yellow (0%)
- Black (18%)





- Cyan (88%)
- Magenta (18%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.2149, 51.0223, 68.9650 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 35.2149, 51.0223, 68.9650 by changing the saturation by 10% instead.

 35.2149, 51.0223,
68.9650


 35.2149, 51.0223,
68.9650


317.0073,
390.6504, 475.5981


 23.9958, 36.2264,
50.2116


 67.1504, 91.6877,
119.3988


 15.4552, 24.6091,
35.2092


 88.5974, 118.3260,
151.9163

 9.2279, 15.7860,
23.5392

 114.1845,
149.6805, 189.8590

 4.9484, 9.3729,
14.7832

 144.2769,
186.1357, 233.6453

 2.2515, 4.9852,
8.5224

 179.2400,
228.0758, 283.6938

 0.7697, 2.2386,
4.3385

219.4392,

 0.0000, 0.7409,

275.8854, 340.4231

1.8128

265.2399,
329.9488, 404.2517

■ 0.0000, 0.0000,
0.4364

■ 0.0000, 0.0000,
0.0000

■ 35.2149, 51.0223,
68.9650

■ 35.2149, 51.0223,
68.9650

■ 34.7933, 50.8060,
68.9463

■ 36.0468, 51.4523,
69.0052

■ 34.6803, 50.7478,
68.9410

■ 37.3547, 52.1265,
69.0665

■ 39.1971, 53.0763,
69.1529

■ 41.6231, 54.3269,
69.2665

■ 44.6762, 55.9008,
69.4095

■ 48.3957, 57.8183,
69.5837

■ 52.8178, 60.0980,
69.7908

■ 57.9761, 62.7572,
70.0323

■ 63.9018, 65.8120,
70.3097

Harmonies

Analogous

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



35.0514, 51.0223, 45.8869



35.2149, 51.0223, 68.9650



38.6723, 51.0223, 93.9000

Triad

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



35.2149, 51.0223, 68.9650



60.4940, 51.0223, 91.6678



52.1776, 51.0223, 22.8408

Complementary

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



35.2149, 51.0223, 68.9650



27.2787, 14.7257, 2.6346

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.



59.8546, 51.0223, 29.3938



35.2149, 51.0223, 68.9650



64.9999, 51.0223, 66.4930

Square

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



35.2149, 51.0223, 68.9650



52.9758, 51.0223, 109.2707



64.7538, 51.0223, 44.0061



44.2745, 51.0223, 23.1632

Rectangle

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



35.2149, 51.0223, 68.9650



42.6202, 51.0223, 106.3835



64.7538, 51.0223, 44.0061



54.8866, 51.0223, 24.2144

Sweetspot

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



35.2164, 51.0242, 68.9662



74.7218, 89.5205, 107.9482



23.9099, 46.5122, 8.9475



15.5397, 18.9271, 23.0841



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.



35.2164, 51.0242, 68.9662



53.8097, 78.7399, 106.9682



19.2539, 19.0988, 63.6463



12.1584, 13.4071, 15.1906



21.1538, 30.9545, 42.0517



1.1828, 1.7308, 2.3513

Inverse Universe

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



27.2787, 14.7257, 2.6346



41.2400, 21.2600, 1.9301



33.1767, 26.5217, 4.6005



11.8088, 11.8083, 12.2689



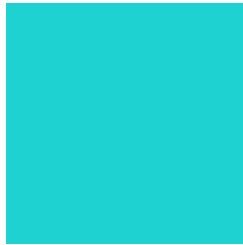
16.2124, 8.3578, 0.7588



0.9065, 0.4673, 0.0424

Previews

White Background



This preview shows how the XYZ color 35.2149, 51.0223, 68.9650 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 35.2149, 51.0223, 68.9650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

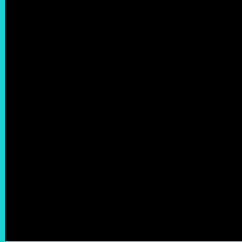
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

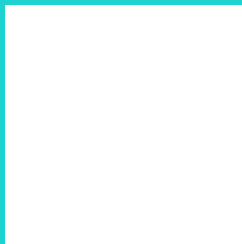
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.2149, 51.0223, 68.9650

Background



This preview shows how black text looks on a background with the XYZ color 35.2149, 51.0223, 68.9650.

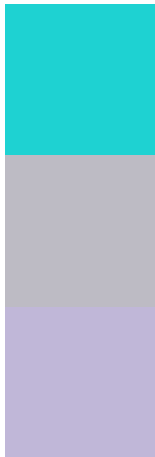


This preview shows how white text looks on a background with the XYZ color 35.2149, 51.0223,

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

35.2149, 51.0223, 68.9650

Protanopia

48.7204, 50.3450, 59.3743

Deuteranopia

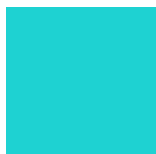
51.0664, 50.0313, 71.9313



Tritanopia

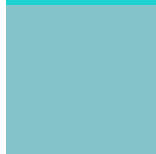
37.3188, 51.1523, 79.1406

Trichromacy



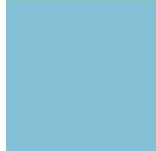
Original Color

35.2149, 51.0223, 68.9650



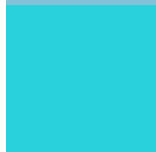
Protanomaly

39.4178, 48.0726, 62.4597



Deuteranomaly

40.8804, 47.9815, 70.7251



Tritanomaly

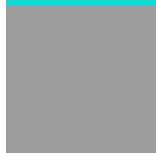
36.6332, 51.2397, 75.6696

Monochromacy



Original Color

35.2149, 51.0223, 68.9650



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

29.7922, 37.5003, 46.7424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2149, 51.0223, 68.9650 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(30, 210, 210)` looks like.

```
.text, #text, p{  
    color:rgb(30, 210, 210)  
}
```

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(30, 210, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 210, 210) }
```

Border

The CSS property to change the border of an element to XYZ 35.2149, 51.0223, 68.9650 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(30, 210, 210) }
```


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

```
.border{ border-color:rgb(30, 210, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 210, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 210, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 210, 210);  
box-shadow:4px 4px 4px 4px rgb(30, 210,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2149, 51.0223, 68.9650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 210, 210) }
```

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

```
.background{ background-color: rgb(30, 210,  
210) }
```

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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