

Converting Colors

XYZ(35.7913, 49.6923, 76.8127)

Have a look what the booklet for
XYZ(35.7913, 49.6923, 76.8127)
contains.

XYZ(35.7915, 49.6926, 76.8125)	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(35.7915, 49.6926,
76.8125)**

Conversions

Conversions Part 1

Format	Color
Hex	1ECEDE
RGB	30, 206, 222
RGB Percent	12%, 81%, 87%
CMY	0.8823, 0.1921, 0.1294
CMYK	0.86, 0.07, 0.00, 0.13
HSL	185°, 76%, 49%
HSV	185°, 86%, 87%
XYZ	35.7915, 49.6926, 76.8125
YIQ	155.2000, -110.0320, -32.3360

Conversions

Conversions Part 2

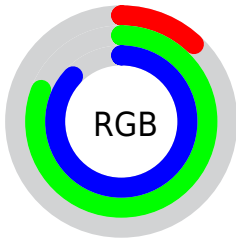
Format	Color
RYB	30, 122, 222
Decimal	2019038
CIELab	75.88, -34.97, -19.63
CIELCh	76, 40.103, 209.302
Yxy	49.6926, 0.2205, 0.3062
Android (android.graphics.Color)	4280209118 (0xFF1ECEDE)
YUV	155.2000, 32.9324, -109.8004
Hunter-Lab	70.4930, -32.7327, -15.2601

Details

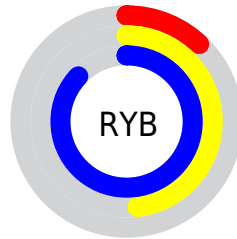
The XYZ color **35.7915, 49.6926, 76.8125** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **31.3370, 17.5791, 2.9711**, and the grayscale version is **31.1412, 32.7630, 35.6789**.

A 20% lighter version of the original color is **61.0125, 82.4530, 107.3071**, and **18.0417, 24.9232, 40.4190** is the 20% darker color. If you saturate the color by 10%, you get **34.9122, 48.5830, 76.6456**, and if you desaturate by 10%, it is **37.1326, 51.0501, 77.0048**.

Distribution



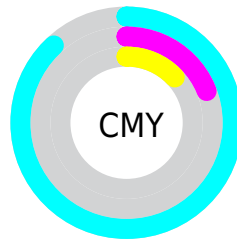
- Red (12%)
- Green (81%)
- Blue (87%)



- Red (12%)
- Yellow (48%)
- Blue (87%)



- Cyan (86%)
- Magenta (7%)
- Yellow (0%)
- Black (13%)





- Cyan (88%)
- Magenta (19%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.7915, 49.6926, 76.8125 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 35.7915, 49.6926, 76.8125 by changing the saturation by 10% instead.


 35.7915, 49.6926,
76.8125


 35.7915, 49.6926,
76.8125


319.4955,
385.4626, 503.5452

 24.4426, 35.1692,
56.5884


 68.0361, 89.7193,
130.6454


 15.7888, 23.7932,
40.2677


 89.6625, 115.9913,
165.0912


 9.4647, 15.1803,
27.4319


 115.4454,
146.9484, 205.1146

 5.1050, 8.9460,
17.6626

 145.7502,
182.9748, 251.1342

 2.3444, 4.7060,
10.5411

 180.9423,
224.4551, 303.5685

 0.8172, 2.0758,
5.6489

221.3869,

 0.0000, 0.6510,

271.7735, 362.8361

2.5675

267.4495,
325.3146, 429.3555

■ 0.0000, 0.0000,
0.8756

■ 0.0000, 0.0000,
0.0000

■ 35.7915, 49.6926,
76.8125

■ 35.7915, 49.6926,
76.8125

■ 34.9122, 48.5830,
76.6456

■ 37.1326, 51.0501,
77.0048

■ 34.6595, 48.2231,
76.5895

■ 39.0149, 52.6933,
77.2227

■ 41.5064, 54.6584,
77.4707

■ 44.6640, 56.9748,
77.7514

■ 48.5381, 59.6685,
78.0672

■ 53.1741, 62.7628,
78.4201

■ 58.6137, 66.2794,
78.8121

■ 64.8957, 70.2381,
79.2452

■ 72.0560, 74.6577,
79.7208

Harmonies

Analogous

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



34.2880, 49.6926, 53.6081



35.7915, 49.6926, 76.8125



40.2787, 49.6926, 97.6900

Triad

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



35.7915, 49.6926, 76.8125



60.6743, 49.6926, 77.9122



47.4062, 49.6926, 22.5414

Complementary

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



35.7915, 49.6926, 76.8125



31.3370, 17.5791, 2.9711

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.



54.9413, 49.6926, 25.9064



35.7915, 49.6926, 76.8125



63.0800, 49.6926, 54.6086

Square

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



35.7915, 49.6926, 76.8125



54.6073, 49.6926, 98.4336



60.8809, 49.6926, 36.3845



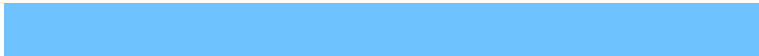
40.5514, 49.6926, 25.6014

Rectangle

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



35.7915, 49.6926, 76.8125



44.6177, 49.6926, 105.3612



60.8809, 49.6926, 36.3845



49.9451, 49.6926, 22.9404

Sweetspot

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



35.7931, 49.6944, 76.8137



72.9846, 86.0459, 107.3696



27.0904, 52.6927, 11.0111



15.1191, 18.0859, 22.9440



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.



35.7931, 49.6944, 76.8137



47.4017, 65.9234, 104.8339



19.6499, 17.4080, 71.4326



14.0138, 15.3667, 17.6151



20.6267, 28.7230, 45.5053



1.4590, 2.0494, 3.1639

Inverse Universe

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



41.7304, 20.9158, 60.2322



56.0554, 27.1862, 79.9468



39.5643, 34.0338, 5.7136



14.2432, 13.9149, 17.0507



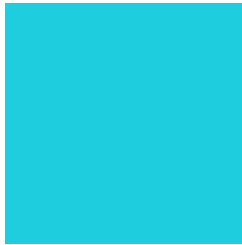
24.3516, 11.8076, 34.8470



1.7027, 0.8243, 2.4931

Previews

White Background



This preview shows how the XYZ color 35.7915, 49.6926, 76.8125 looks on a white background.

Color Contrast Check

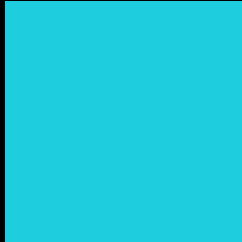
Large Text (above 18pt) WCAG AA × Fail

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 35.7915, 49.6926, 76.8125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

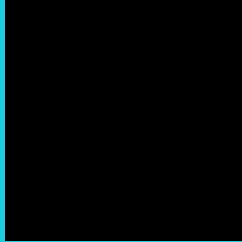
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

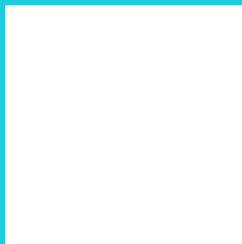
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.7915, 49.6926, 76.8125

Background



This preview shows how black text looks on a background with the XYZ color 35.7915, 49.6926, 76.8125.

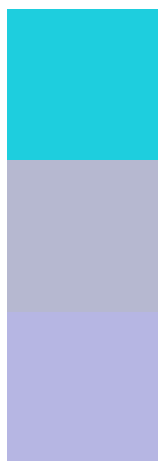


This preview shows how white text looks on a background with the XYZ color 35.7915, 49.6926,

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

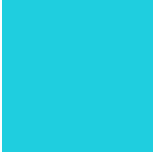
35.7915, 49.6926, 76.8125

Protanopia

47.8171, 48.7801, 66.5698

Deuteranopia

49.8845, 48.9470, 79.4916



Tritanopia

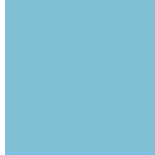
35.9557, 49.7616, 77.5219

Trichromacy



Original Color

35.7915, 49.6926, 76.8125



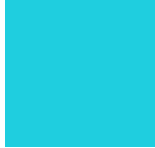
Protanomaly

39.6123, 47.0154, 69.9379



Deuteranomaly

40.9738, 47.2099, 78.1870



Tritanomaly

35.9557, 49.7616, 77.5219

Monochromacy



Original Color

35.7915, 49.6926, 76.8125



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

29.7031, 36.8418, 48.1935

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7915, 49.6926, 76.8125 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, 206, 222)` looks like.

```
.text, #text, p{  
    color:rgb(30, 206, 222)  
}
```

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, 206, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 206, 222) }
```

Border

The CSS property to change the border of an element to XYZ 35.7915, 49.6926, 76.8125 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, 206, 222) }
```


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

```
.border{ border-color:rgb(30, 206, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 206, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 206, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 206, 222);  
box-shadow:4px 4px 4px 4px rgb(30, 206,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7915, 49.6926, 76.8125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 206, 222) }
```

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

```
.background{ background-color: rgb(30, 206,  
222) }
```

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