

Converting Colors

XYZ(35.4486, 54.5543, 66.4150)

Have a look what the booklet for
XYZ(35.4486, 54.5543, 66.4150)
contains.

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Color

**XYZ(36.3510, 55.0708,
66.4714)**

Conversions

Conversions Part 1

Format	Color
Hex	00DBCD
RGB	0, 219, 205
RGB Percent	0%, 86%, 80%
CMY	0.9998, 0.1412, 0.1961
CMYK	1.00, 0.00, 0.06, 0.14
HSL	176°, 100%, 43%
HSV	176°, 100%, 86%
XYZ	36.3510, 55.0708, 66.4714
YIQ	151.9230, -126.0300, -50.7820

Conversions

Conversions Part 2

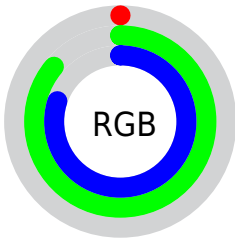
Format	Color
RYB	0, 113, 219
Decimal	56269
CIELab	79.08, -46.90, -5.73
CIELCh	79, 47.250, 186.964
Yxy	55.0708, 0.2302, 0.3488
Android (android.graphics.Color)	4278246349 (0xFF00BCD)
YUV	151.9230, 26.1670, -133.2365
Hunter-Lab	74.2097, -42.4303, -1.1607

Details

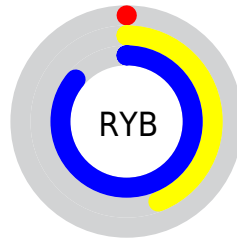
The XYZ color **36.3510, 55.0708, 66.4714** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **29.2946, 15.0935, 1.7867**, and the grayscale version is **29.7488, 31.2980, 34.0836**.

A 20% lighter version of the original color is **60.1167, 81.9912, 107.2651**, and **18.6831, 28.4288, 33.7808** is the 20% darker color. If you saturate the color by 10%, you get **36.3516, 55.0724, 66.4706**, and if you desaturate by 10%, it is **36.8517, 55.3105, 67.3826**.

Distribution



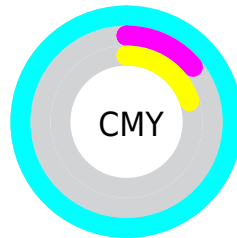
- Red (0%)
- Green (86%)
- Blue (80%)



- Red (0%)
- Yellow (44%)
- Blue (86%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (14%)





- Cyan (100%)
- Magenta (14%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3510, 55.0708, 66.4714 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 36.3510, 55.0708, 66.4714 by changing the saturation by 10% instead.


 36.3510, 55.0708,
66.4714


 36.3510, 55.0708,
66.4714


321.8967,
406.1803, 466.5110

 24.8768, 39.4584,
48.1963


 68.8938, 97.6447,
115.7961


 16.1135, 27.1165,
33.6213


 90.6931, 125.3750,
147.6828


 9.6959, 17.6608,
22.3278


 116.6648,
157.9133, 184.9437

 5.2585, 10.7067,
13.8973

 147.1742,
195.6442, 227.9974

 2.4360, 5.8700,
7.9114

 182.5868,
238.9519, 277.2624

 0.8631, 2.7662,
3.9513

223.2678,

 0.0000, 1.0109,

288.2209, 333.1574

1.5987

269.5826,
343.8355, 396.1007

■ 0.0000, 0.0000,
0.2899

■ 0.0000, 0.0000,
0.0000

■ 36.3510, 55.0708,
66.4714

■ 36.3510, 55.0708,
66.4714

■ 36.3516, 55.0724,
66.4706

■ 36.8517, 55.3105,
67.3826

■ 37.7256, 55.7413,
68.3180

■ 39.0963, 56.4279,
69.2845

■ 41.0323, 57.4058,
70.2855

■ 43.5915, 58.7048,
71.3236

■ 46.8245, 60.3510,
72.4013

■ 50.7769, 62.3678,
73.5206

■ 55.4900, 64.7766,
74.6836

■ 61.0022, 67.5973,
75.8921

Harmonies

Analogous

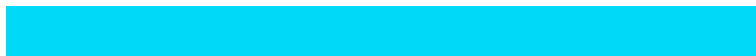
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.3881, 55.0708, 41.8765



36.3510, 55.0708, 66.4714



39.1696, 55.0708, 96.8550

Triad

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



36.3510, 55.0708, 66.4714



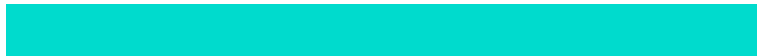
64.0013, 55.0708, 111.6624



59.7517, 55.0708, 23.7859

Complementary

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



36.3510, 55.0708, 66.4714



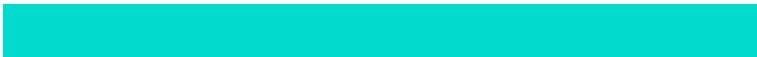
29.2946, 15.0935, 1.7867

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.



68.1817, 55.0708, 33.8771



36.3510, 55.0708, 66.4714



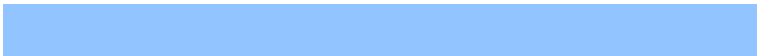
70.8334, 55.0708, 82.6254

Square

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



36.3510, 55.0708, 66.4714



54.5690, 55.0708, 127.5561



72.4482, 55.0708, 53.8935



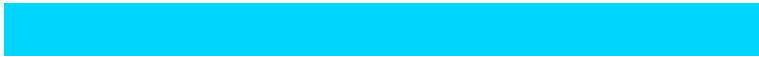
50.1786, 55.0708, 21.8173

Rectangle

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



36.3510, 55.0708, 66.4714



43.0809, 55.0708, 114.7764



72.4482, 55.0708, 53.8935



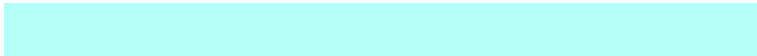
62.8460, 55.0708, 26.1537

Sweetspot

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



36.3526, 55.0729, 66.4727



71.5073, 87.9531, 103.7391



25.5240, 50.7634, 8.4546



14.7730, 18.5537, 22.0592



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.



36.3526, 55.0729, 66.4727



51.2947, 77.7339, 93.7245



20.0105, 19.5615, 69.7411



13.4070, 14.8144, 16.6064



21.5697, 32.6605, 39.4949



1.4085, 2.1203, 2.6171

Inverse Universe

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



29.2946, 15.0935, 1.7867



41.3358, 21.2983, 2.4347



33.3006, 23.2326, 2.7307



13.0896, 13.0650, 13.7333



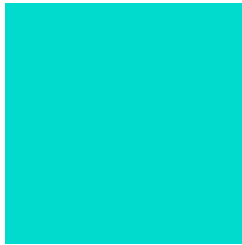
17.3831, 8.9543, 1.1315



1.1383, 0.5850, 0.1372

Previews

White Background



This preview shows how the XYZ color 36.3510, 55.0708, 66.4714 looks on a white background.

Color Contrast Check

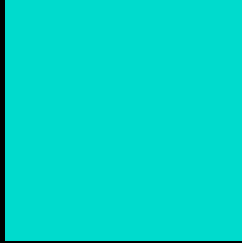
Large Text (above 18pt) WCAG AA × Fail

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 36.3510, 55.0708, 66.4714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

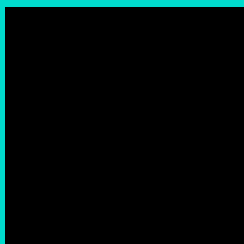
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

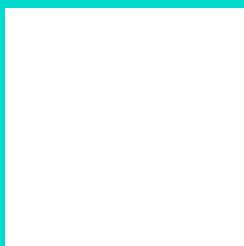
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.3510, 55.0708, 66.4714

Background



This preview shows how black text looks on a background with the XYZ color 36.3510, 55.0708, 66.4714.

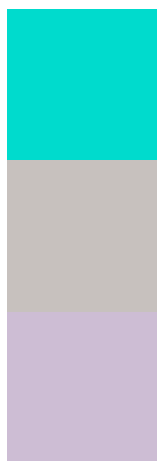


This preview shows how white text looks on a background with the XYZ color 36.3510, 55.0708,

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

36.3510, 55.0708, 66.4714

Protanopia

51.9174, 53.9997, 56.4018

Deuteranopia

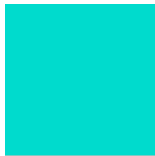
55.2581, 54.1278, 69.8226



Tritanopia

40.2312, 55.1309, 84.8649

Trichromacy



Original Color

36.3510, 55.0708, 66.4714



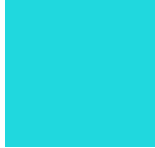
Protanomaly

39.7233, 50.6932, 59.3209



Deuteranomaly

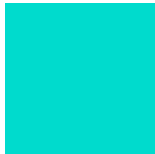
41.3688, 50.6578, 67.9192



Tritanomaly

38.3363, 54.6927, 77.6435

Monochromacy



Original Color

36.3510, 55.0708, 66.4714



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

27.8058, 36.5323, 44.1140

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3510, 55.0708, 66.4714 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(0, 219, 205)` looks like.

```
.text, #text, p{  
    color:rgb(0, 219, 205)  
}
```

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(0, 219, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 205) }
```

Border

The CSS property to change the border of an element to XYZ 36.3510, 55.0708, 66.4714 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(0, 219, 205) }
```


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

```
.border{ border-color:rgb(0, 219, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 219, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 219, 205);  
box-shadow:4px 4px 4px 4px rgb(0, 219,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3510, 55.0708, 66.4714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 219, 205) }
```

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

```
.background{ background-color: rgb(0, 219,  
205) }
```

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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