

Converting Colors

XYZ(31.1945, 51.5792, 91.0920)

Have a look what the booklet for
XYZ(31.1945, 51.5792, 91.0920)
contains.

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Color

**XYZ(40.7996, 56.4341,
91.1806)**

Conversions

Conversions Part 1

Format	Color
Hex	00DAF0
RGB	0, 218, 240
RGB Percent	0%, 85%, 94%
CMY	0.9997, 0.1451, 0.0588
CMYK	1.00, 0.09, 0.00, 0.06
HSL	186°, 100%, 47%
HSV	186°, 100%, 94%
XYZ	40.7996, 56.4341, 91.1806
YIQ	155.3260, -136.9900, -39.3740

Conversions

Conversions Part 2

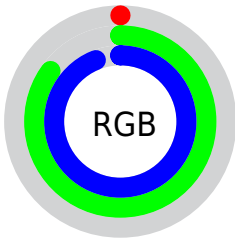
Format	Color
RYB	0, 114, 240
Decimal	56048
CIELab	79.86, -36.02, -23.24
CIELCh	80, 42.862, 212.831
Yxy	56.4341, 0.2165, 0.2995
Android (android.graphics.Color)	4278246128 (0xFF00DAF0)
YUV	155.3260, 41.7443, -136.2209
Hunter-Lab	75.1226, -34.5201, -19.3778

Details

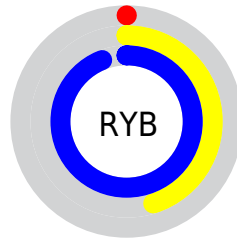
The XYZ color **40.7996, 56.4341, 91.1806** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light saturated cyan. A complement of this color would be **36.2242, 19.1020, 1.7798**, and the grayscale version is **31.1739, 32.7974, 35.7164**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **21.7489, 29.6551, 49.9251** is the 20% darker color. If you saturate the color by 10%, you get **40.7990, 56.4325, 91.1814**, and if you desaturate by 10%, it is **41.7533, 57.7796, 91.3911**.

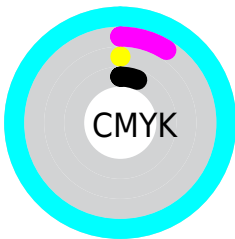
Distribution



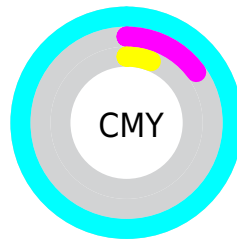
- Red (0%)
- Green (85%)
- Blue (94%)



- Red (0%)
- Yellow (45%)
- Blue (94%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (6%)



- Cyan (100%)
- Magenta (15%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7996, 56.4341, 91.1806 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 40.7996, 56.4341, 91.1806 by changing the saturation by 10% instead.

40.7996, 56.4341,
91.1806

40.7996, 56.4341,
91.1806

340.5593,
411.3254, 552.5327

28.3495, 40.5511,
68.3810

75.6562, 99.6390,
150.9270

18.7311, 27.9685,
49.7392

98.7935, 127.7297,
188.7110

11.5790, 18.3019,
34.8365

126.2238,
160.6583, 232.3268

6.5278, 11.1669,
23.2544

158.3126,
198.8094, 282.1930

3.2123, 6.1792,
14.5744

195.4251,
242.5672, 338.7282

1.2670, 2.9544,
8.3779

237.9269,

0.1583, 1.1080,

292.3162, 402.3508

4.2465

286.1831,
348.4408, 473.4795

■ 0.0000, 0.0000,
1.7615

■ 0.0000, 0.0000,
0.4024

■ 40.7996, 56.4341,
91.1806

■ 40.7996, 56.4341,
91.1806

■ 40.7990, 56.4325,
91.1814

■ 41.7533, 57.7796,
91.3911

■ 43.1792, 59.3787,
91.6246

■ 45.2243, 61.3084,
91.8893

■ 47.9751, 63.6133,
92.1892

■ 51.5043, 66.3308,
92.5277

■ 55.8754, 69.4938,
92.9079

■ 61.1454, 73.1317,
93.3323

■ 67.3662, 77.2714,
93.8035

■ 74.5859, 81.9375,
94.3236

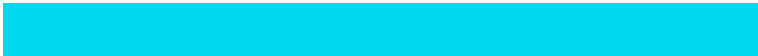
Harmonies

Analogous

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



38.6344, 56.4341, 63.8383



40.7996, 56.4341, 91.1806



46.3720, 56.4341, 114.5461

Triad

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



40.7996, 56.4341, 91.1806



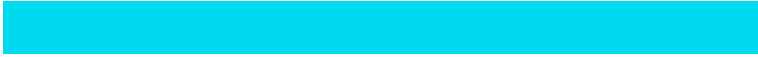
69.9024, 56.4341, 85.9637



52.8188, 56.4341, 24.9990

Complementary

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



40.7996, 56.4341, 91.1806



36.2242, 19.1020, 1.7798

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.



61.6279, 56.4341, 27.9739



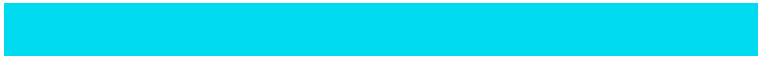
40.7996, 56.4341, 91.1806



72.0982, 56.4341, 59.1165

Square

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



40.7996, 56.4341, 91.1806



63.2074, 56.4341, 111.0074



68.9235, 56.4341, 39.0020



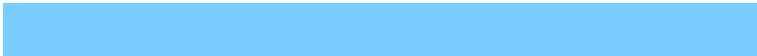
45.0884, 56.4341, 29.3944

Rectangle

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



40.7996, 56.4341, 91.1806



51.5825, 56.4341, 122.1313



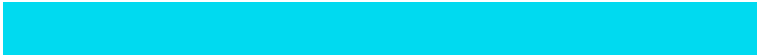
68.9235, 56.4341, 39.0020



55.7493, 56.4341, 25.1726

Sweetspot

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



40.8014, 56.4361, 91.1820



70.0882, 83.8705, 107.1023



31.2882, 62.3722, 11.0547



14.4276, 17.5597, 22.8789



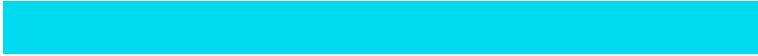
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.8014, 56.4361, 91.1820



46.7998, 64.7197, 104.6333



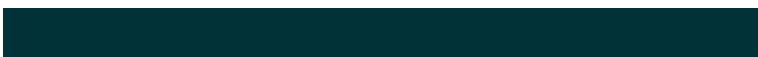
20.2902, 15.4138, 84.3449



16.1162, 17.6666, 20.2822



22.3858, 30.9959, 49.9308



1.8982, 2.6504, 4.1657

Inverse Universe

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



48.5917, 23.5891, 68.3238



55.7516, 27.0646, 78.3470



45.3183, 37.2902, 4.8111



16.3881, 16.0050, 19.6000



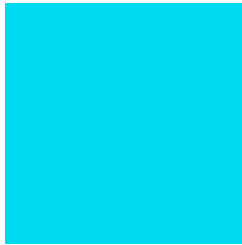
26.6250, 12.9224, 37.5372



2.2331, 1.0823, 3.2181

Previews

White Background



This preview shows how the XYZ color 40.7996, 56.4341, 91.1806 looks on a white background.

Color Contrast Check

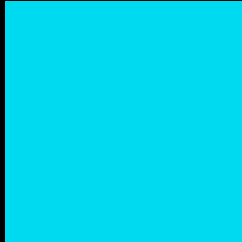
Large Text (above 18pt) WCAG AA × Fail

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 40.7996, 56.4341, 91.1806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

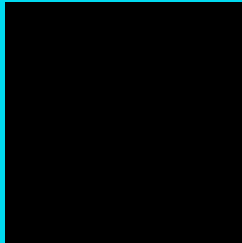
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.7996, 56.4341, 91.1806

Background



This preview shows how black text looks on a background with the XYZ color 40.7996, 56.4341, 91.1806.

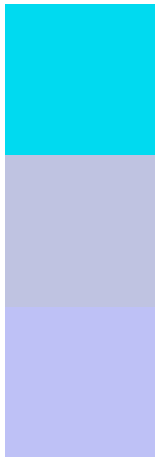


This preview shows how white text looks on a background with the XYZ color 40.7996, 56.4341,

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

40.7996, 56.4341, 91.1806

Protanopia

54.5916, 55.5428, 79.0777

Deuteranopia

56.9397, 55.7409, 94.9468



Tritanopia

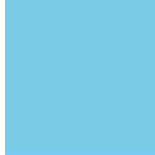
40.2117, 56.1989, 88.0850

Trichromacy



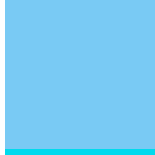
Original Color

40.7996, 56.4341, 91.1806



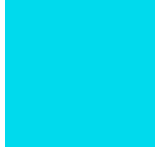
Protanomaly

43.6649, 52.5626, 82.7071



Deuteranomaly

45.3348, 52.8377, 93.3972



Tritanomaly

40.3575, 56.2572, 88.8524

Monochromacy



Original Color

40.7996, 56.4341, 91.1806



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

29.9289, 38.0386, 52.2191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7996, 56.4341, 91.1806 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, 218, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 218, 240)  
}
```

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, 218, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 218, 240) }
```

Border

The CSS property to change the border of an element to XYZ 40.7996, 56.4341, 91.1806 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, 218, 240) }
```


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

```
.border{ border-color:rgb(0, 218, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 218, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 218, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 218, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 218,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7996, 56.4341, 91.1806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 218, 240) }
```

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

```
.background{ background-color: rgb(0, 218,  
240) }
```

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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