

Converting Colors

XYZ(34.6857, 51.8377, 93.9584)

Have a look what the booklet for
XYZ(34.6857, 51.8377, 93.9584)
contains.

XYZ(40.3757, 54.6248, 94.0036)	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(40.3757, 54.6248,
94.0036)**

Conversions

Conversions Part 1

Format	Color
Hex	00D6F4
RGB	0, 214, 244
RGB Percent	0%, 84%, 96%
CMY	0.9997, 0.1608, 0.0431
CMYK	1.00, 0.12, 0.00, 0.04
HSL	187°, 100%, 48%
HSV	187°, 100%, 96%
XYZ	40.3757, 54.6248, 94.0036
YIQ	153.4340, -137.1740, -36.0380

Conversions

Conversions Part 2

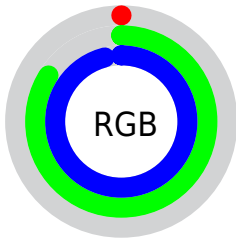
Format	Color
RYB	0, 114, 244
Decimal	55028
CIELab	78.82, -32.86, -26.95
CIELCh	79, 42.500, 219.353
Yxy	54.6248, 0.2136, 0.2890
Android (android.graphics.Color)	4278245108 (0xFF00D6F4)
YUV	153.4340, 44.6490, -134.5616
Hunter-Lab	73.9086, -31.8268, -23.6743

Details

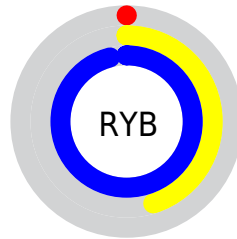
The XYZ color **40.3757, 54.6248, 94.0036** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **37.7750, 20.1654, 1.9033**, and the grayscale version is **30.3310, 31.9106, 34.7507**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **21.4752, 28.4271, 51.9321** is the 20% darker color. If you saturate the color by 10%, you get **40.3745, 54.6221, 94.0042**, and if you desaturate by 10%, it is **41.5310, 56.3592, 94.2786**.

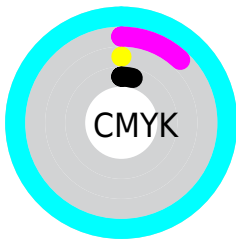
Distribution



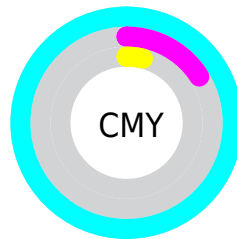
- Red (0%)
- Green (84%)
- Blue (96%)



- Red (0%)
- Yellow (45%)
- Blue (96%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (4%)




- Cyan (100%)
- Magenta (16%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.3757, 54.6248, 94.0036 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 40.3757, 54.6248, 94.0036 by changing the saturation by 10% instead.


 40.3757, 54.6248,
94.0036


 40.3757, 54.6248,
94.0036


338.8119,
404.4881, 561.8728


 28.0171, 39.1014,
70.7136


 75.0160, 96.9910,
154.8710

 18.4791, 26.8386,
51.6282


 98.0284, 124.6026,
193.2856


 11.3962, 17.4521,
36.3286


 125.3228,
157.0124, 237.5788

 6.4033, 10.5573,
24.3964

 157.2645,
194.6048, 288.1691

 3.1348, 5.7700,
15.4130

 194.2189,
237.7642, 345.4751

 1.2254, 2.7057,
8.9599

236.5514,

 0.1263, 0.9801,

286.8749, 409.9154

4.6186

284.6273,
342.3214, 481.9085

■ 0.0000, 0.0000,
1.9705

■ 0.0000, 0.0000,
0.5370

■ 40.3757, 54.6248,
94.0036

■ 40.3757, 54.6248,
94.0036

■ 40.3745, 54.6221,
94.0042

■ 41.5310, 56.3592,
94.2786

■ 43.1839, 58.3700,
94.5796

■ 45.4863, 60.7367,
94.9150

■ 48.5285, 63.5057,
95.2892

■ 52.3861, 66.7164,
95.7056

■ 57.1254, 70.4029,
96.1673

■ 62.8059, 74.5960,
96.6773

■ 69.4815, 79.3236,
97.2380

■ 77.2024, 84.6117,
97.8517

Harmonies

Analogous

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



37.5222, 54.6248, 67.3384



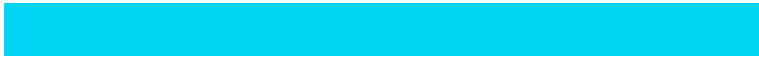
40.3757, 54.6248, 94.0036



46.4153, 54.6248, 114.2964

Triad

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



40.3757, 54.6248, 94.0036



68.5974, 54.6248, 77.3772



49.3313, 54.6248, 24.4455

Complementary

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



40.3757, 54.6248, 94.0036



37.7750, 20.1654, 1.9033

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.



57.8419, 54.6248, 25.7748



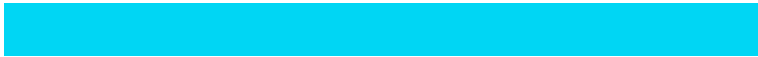
40.3757, 54.6248, 94.0036



69.5954, 54.6248, 52.2528

Square

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



40.3757, 54.6248, 94.0036



62.8811, 54.6248, 103.0359



65.4766, 54.6248, 34.6469



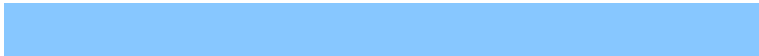
42.3117, 54.6248, 30.3372

Rectangle

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



40.3757, 54.6248, 94.0036



51.7366, 54.6248, 118.9586



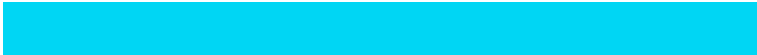
65.4766, 54.6248, 34.6469



52.1023, 54.6248, 24.1078

Sweetspot

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



40.3775, 54.6268, 94.0049



69.3569, 82.4079, 106.8586



32.5679, 64.7890, 11.9210



14.2502, 17.2049, 22.8198



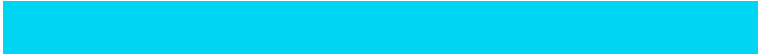
0.0000, 0.0000, 0.0000



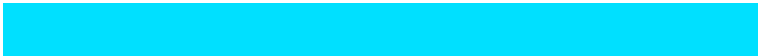
20.3446, 21.4041, 23.3091

Same Dimension

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



40.3775, 54.6268, 94.0049



44.6091, 60.3383, 103.9030



20.2953, 14.4623, 87.3109



16.8126, 18.3895, 21.2060



22.0219, 29.8375, 51.1366



1.9834, 2.7182, 4.5104

Inverse Universe

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



49.4474, 24.0900, 65.6639



54.6458, 26.6223, 72.5242



48.2943, 41.2040, 5.4097



17.1207, 16.7312, 20.3824



26.9201, 13.1115, 35.8834



2.3902, 1.1620, 3.2811

Previews

White Background



This preview shows how the XYZ color 40.3757, 54.6248, 94.0036 looks on a white background.

Color Contrast Check

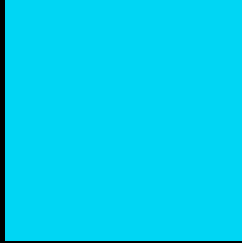
Large Text (above 18pt) WCAG AA × Fail

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 40.3757, 54.6248, 94.0036 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 40.3757, 54.6248, 94.0036

Background



This preview shows how black text looks on a background with the XYZ color 40.3757, 54.6248, 94.0036.



This preview shows how white text looks on a background with the XYZ color 40.3757, 54.6248,

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

40.3757, 54.6248, 94.0036

Protanopia

53.2422, 53.7955, 81.7061

Deuteranopia

55.0408, 53.7337, 97.0932



Tritanopia

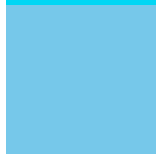
39.0084, 54.4841, 85.5513

Trichromacy



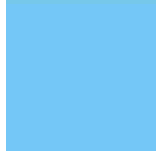
Original Color

40.3757, 54.6248, 94.0036



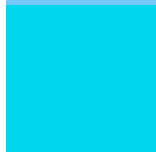
Protanomaly

42.9768, 51.1006, 85.4402



Deuteranomaly

44.4144, 51.2753, 95.5519



Tritanomaly

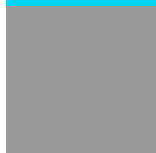
39.5865, 54.7153, 88.5954

Monochromacy



Original Color

40.3757, 54.6248, 94.0036



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

29.1227, 36.7465, 52.0122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3757, 54.6248, 94.0036 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, 214, 244)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 244)  
}
```

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, 214, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 244) }
```

Border

The CSS property to change the border of an element to XYZ 40.3757, 54.6248, 94.0036 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, 214, 244) }
```


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

```
.border{ border-color:rgb(0, 214, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 214, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 244);  
box-shadow:4px 4px 4px 4px rgb(0, 214,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3757, 54.6248, 94.0036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 214, 244) }
```

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

```
.background{ background-color: rgb(0, 214,  
244) }
```

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