

Converting Colors

XYZ(40.0370, 53.7515, 94.4907)

Have a look what the booklet for
XYZ(40.0370, 53.7515, 94.4907)
contains.

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Color

**XYZ(40.0249, 53.6795,
94.6379)**

Conversions

Conversions Part 1

Format	Color
Hex	00D4F5
RGB	0, 212, 245
RGB Percent	0%, 83%, 96%
CMY	0.9997, 0.1686, 0.0392
CMYK	1.00, 0.13, 0.00, 0.04
HSL	188°, 100%, 48%
HSV	188°, 100%, 96%
XYZ	40.0249, 53.6795, 94.6379
YIQ	152.3740, -136.9450, -34.6810

Conversions

Conversions Part 2

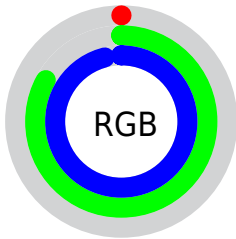
Format	Color
RYB	0, 114, 245
Decimal	54517
CIELab	78.27, -31.58, -28.33
CIELCh	78, 42.424, 221.887
Yxy	53.6795, 0.2125, 0.2850
Android (android.graphics.Color)	4278244597 (0xFF00D4F5)
YUV	152.3740, 45.6646, -133.6320
Hunter-Lab	73.2663, -30.7026, -25.2983

Details

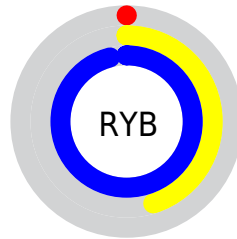
The XYZ color **40.0249, 53.6795, 94.6379** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **38.2028, 20.5044, 1.9462**, and the grayscale version is **29.8673, 31.4227, 34.2194**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **21.2423, 27.7881, 52.3882** is the 20% darker color. If you saturate the color by 10%, you get **40.0235, 53.6763, 94.6384**, and if you desaturate by 10%, it is **41.2498, 55.5495, 94.9353**.

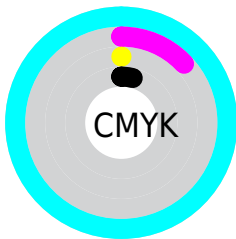
Distribution



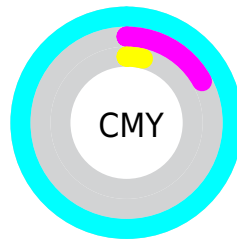
- Red (0%)
- Green (83%)
- Blue (96%)



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



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (17%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0249, 53.6795, 94.6379 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 40.0249, 53.6795, 94.6379 by changing the saturation by 10% instead.

40.0249, 53.6795,
94.6379

40.0249, 53.6795,
94.6379

337.3611,
400.8867, 563.9598

27.7423, 38.3455,
71.2384

74.4855, 95.6035,
155.7555

18.2709, 26.2509,
52.0538

97.3942, 122.9623,
194.3107

11.2455, 17.0115,
36.6654

124.5756,
155.0981, 238.7550

6.3007, 10.2427,
24.6548

156.3952,
192.3954, 289.5067

3.0712, 5.5601,
15.6034

193.2181,
235.2384, 346.9845

1.1915, 2.5795,
9.0926

235.4098,

0.0997, 0.9164,

284.0118, 411.6069

4.7040

283.3357,
339.0997, 483.7925

■ 0.0000, 0.0000,
2.0190

■ 0.0000, 0.0000,
0.5669

■ 40.0249, 53.6795,
94.6379

■ 40.0249, 53.6795,
94.6379

■ 40.0235, 53.6763,
94.6384

■ 41.2498, 55.5495,
94.9353

■ 42.9800, 57.7042,
95.2600

■ 45.3687, 60.2236,
95.6204

■ 48.5071, 63.1550,
96.0209

■ 52.4717, 66.5380,
96.4649

■ 57.3293, 70.4071,
96.9557

■ 63.1401, 74.7935,
97.4961

■ 69.9587, 79.7255,
98.0886

■ 77.8357, 85.2292,
98.7358

Harmonies

Analogous

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



36.9266, 53.6795, 68.3906



40.0249, 53.6795, 94.6379



46.2122, 53.6795, 113.6283

Triad

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



40.0249, 53.6795, 94.6379



67.7658, 53.6795, 73.8618



47.7995, 53.6795, 24.1281

Complementary

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



40.0249, 53.6795, 94.6379



38.2028, 20.5044, 1.9462

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.



56.1518, 53.6795, 24.8484



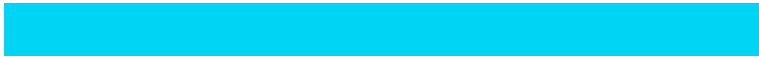
40.0249, 53.6795, 94.6379



68.3101, 53.6795, 49.5187

Square

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



40.0249, 53.6795, 94.6379



62.4510, 53.6795, 99.5677



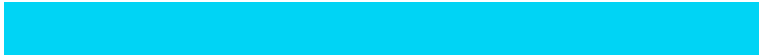
63.8659, 53.6795, 32.9074



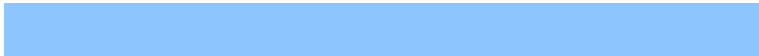
41.0779, 53.6795, 30.5685

Rectangle

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



40.0249, 53.6795, 94.6379



51.5487, 53.6795, 117.1582



63.8659, 53.6795, 32.9074



50.4964, 53.6795, 23.6017

Sweetspot

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



40.0267, 53.6814, 94.6392



69.0848, 81.8637, 106.7679



32.9244, 65.4144, 12.3098



14.1843, 17.0730, 22.7978



0.0000, 0.0000, 0.0000



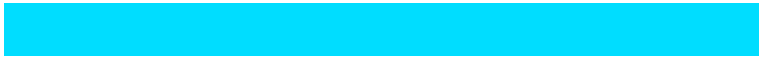
20.3446, 21.4041, 23.3091

Same Dimension

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



40.0267, 53.6814, 94.6392



43.8128, 58.7456, 103.6376



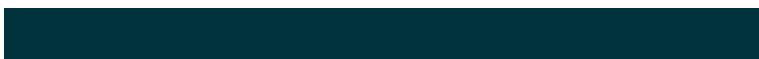
20.1284, 13.8848, 88.0065



16.7952, 18.3546, 21.2002



21.6361, 29.0660, 51.0080



1.9532, 2.6579, 4.5003

Inverse Universe

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



49.5414, 24.1678, 64.3429



54.2439, 26.4615, 70.4074



49.4105, 42.9199, 5.6821



17.1119, 16.7276, 20.3360



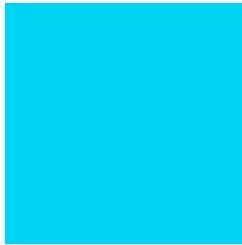
26.7254, 13.0336, 34.8581



2.3750, 1.1559, 3.2009

Previews

White Background



This preview shows how the XYZ color 40.0249, 53.6795, 94.6379 looks on a white background.

Color Contrast Check

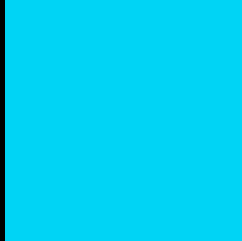
Large Text (above 18pt) WCAG AA × Fail

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 40.0249, 53.6795, 94.6379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

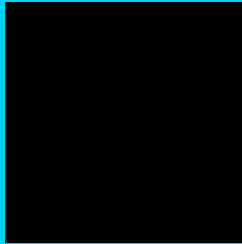
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.0249, 53.6795, 94.6379

Background



This preview shows how black text looks on a background with the XYZ color 40.0249, 53.6795, 94.6379.



This preview shows how white text looks on a background with the XYZ color 40.0249, 53.6795,

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

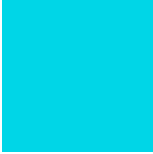
40.0249, 53.6795, 94.6379

Protanopia

52.4635, 52.7304, 82.2758

Deuteranopia

54.2753, 53.0006, 97.8120



Tritanopia

38.4704, 53.8627, 83.9702

Trichromacy



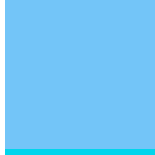
Original Color

40.0249, 53.6795, 94.6379



Protanomaly

42.5256, 50.1682, 86.0394



Deuteranomaly

43.9798, 50.3547, 96.2084



Tritanomaly

38.9346, 53.6446, 87.6593

Monochromacy



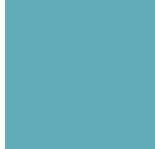
Original Color

40.0249, 53.6795, 94.6379



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

28.9287, 36.3587, 51.9476

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0249, 53.6795, 94.6379 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, 212, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 212, 245)  
}
```

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, 212, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 212, 245) }
```

Border

The CSS property to change the border of an element to XYZ 40.0249, 53.6795, 94.6379 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, 212, 245) }
```


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

```
.border{ border-color:rgb(0, 212, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 212, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 212, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 212, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 212,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0249, 53.6795, 94.6379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 212, 245) }
```

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

```
.background{ background-color: rgb(0, 212,  
245) }
```

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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