

Converting Colors

XYZ(41.8236, 54.6123,
100.8067)

Have a look what the booklet for
XYZ(41.8236, 54.6123, 100.8067)
contains.

XYZ(41.6496, 54.3913, 100.3989)	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(41.6496, 54.3913,
100.3989)**

Conversions

Conversions Part 1

Format	Color
Hex	1ED4FC
RGB	30, 212, 252
RGB Percent	12%, 83%, 99%
CMY	0.8822, 0.1686, 0.0118
CMYK	0.88, 0.16, 0.00, 0.01
HSL	191°, 97%, 55%
HSV	191°, 88%, 99%
XYZ	41.6496, 54.3913, 100.3989
YIQ	162.1420, -121.3120, -26.1440

Conversions

Conversions Part 2

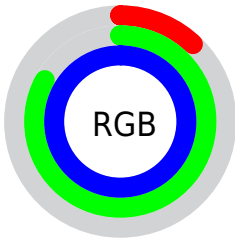
Format	Color
R _Y B	30, 130, 252
Decimal	2020604
CIE Lab	78.69, -28.37, -31.41
CIE LCh	79, 42.322, 227.910
Yxy	54.3913, 0.2120, 0.2769
Android (android.graphics.Color)	4280210684 (0xFF1ED4FC)
YUV	162.1420, 44.3000, -115.8885
Hunter-Lab	73.7505, -28.2578, -29.0881

Details

The XYZ color **41.6496, 54.3913, 100.3989** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **42.5721, 25.1736, 3.8456**, and the grayscale version is **34.2538, 36.0377, 39.2450**.

A 20% lighter version of the original color is **61.6952, 82.8049, 107.3390**, and **21.9073, 28.0541, 55.8901** is the 20% darker color. If you saturate the color by 10%, you get **40.0562, 51.9093, 100.0049**, and if you desaturate by 10%, it is **43.8546, 57.2380, 100.8332**.

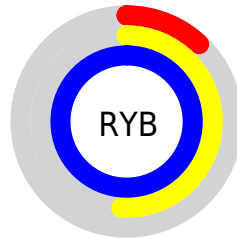
Distribution



Red (12%)

Green (83%)

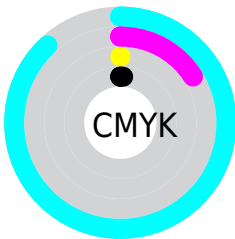
Blue (99%)



Red (12%)

Yellow (51%)

Blue (99%)

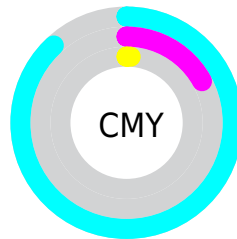


Cyan (88%)

Magenta (16%)

Yellow (0%)

Black (1%)



Cyan (88%)

Magenta (17%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6496, 54.3913, 100.3989 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 41.6496, 54.3913, 100.3989 by changing the saturation by 10% instead.

41.6496, 54.3913,
100.3989

41.6496, 54.3913,
100.3989

344.0447,
403.6004, 582.7284

29.0169, 38.9146,
76.0150

76.9375, 96.6485,
163.7619

19.2380, 26.6933,
55.9381

100.3235,
124.1979, 203.5781

11.9474, 17.3430,
39.7496

128.0246,
156.5402, 249.3754

6.7798, 10.4793,
27.0311

160.4062,
194.0599, 301.5724

3.3699, 5.7179,
17.3639

197.8337,
237.1413, 360.5877

1.3522, 2.6743,
10.3296

240.6723,

0.2218, 0.9642,

286.1690, 426.8398

5.5096

289.2876,
341.5272, 500.7472

■ 0.0000, 0.0000,
2.4853

■ 0.0000, 0.0000,
0.8324

■ 41.6496, 54.3913,
100.3989

■ 41.6496, 54.3913,
100.3989

■ 40.0562, 51.9093,
100.0049

■ 43.8546, 57.2380,
100.8332

■ 39.7848, 51.4562,
99.9317

■ 46.7945, 60.5104,
101.3099

■ 50.5658, 64.2594,
101.8348

■ 55.2482, 68.5267,
102.4117

■ 60.9121, 73.3489,
103.0439

■ 67.6208, 78.7590,
103.7346

■ 75.4321, 84.7870,
104.4864

■ 84.3995, 91.4611,
105.3020

■ 93.8957, 98.4580,
106.1520

Harmonies

Analogous

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



37.8549, 54.3913, 74.5461



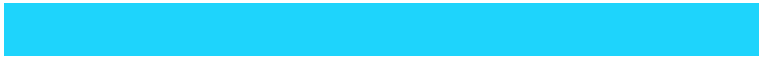
41.6496, 54.3913, 100.3989



48.4017, 54.3913, 116.6392

Triad

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



41.6496, 54.3913, 100.3989



69.0709, 54.3913, 69.4023



46.9077, 54.3913, 25.3190

Complementary

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



41.6496, 54.3913, 100.3989



42.5721, 25.1736, 3.8456

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.



55.1392, 54.3913, 24.6382



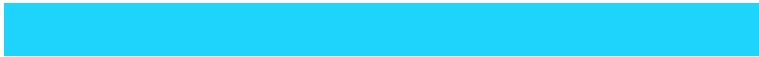
41.6496, 54.3913, 100.3989



68.5594, 54.3913, 46.1580

Square

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



41.6496, 54.3913, 100.3989



64.5736, 54.3913, 95.7698



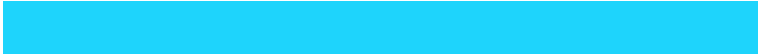
63.2435, 54.3913, 31.1973



40.6577, 54.3913, 33.4046

Rectangle

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



41.6496, 54.3913, 100.3989



53.9423, 54.3913, 117.5580



63.2435, 54.3913, 31.1973



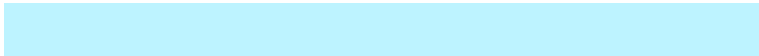
49.5154, 54.3913, 24.3146

Sweetspot

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



41.6514, 54.3932, 100.4002



71.0283, 82.1333, 106.7175



36.3610, 70.3037, 16.9678



14.6476, 17.1428, 22.7868



0.0000, 0.0000, 0.0000



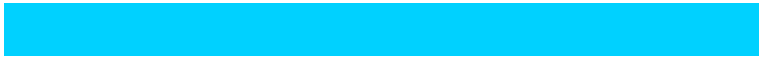
20.3446, 21.4041, 23.3091

Same Dimension

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



41.6514, 54.3932, 100.4002



40.8626, 52.8453, 102.6542



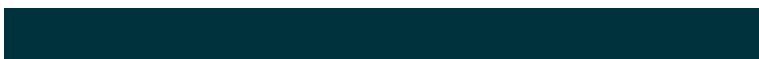
23.0597, 17.2097, 94.2030



17.4842, 19.0453, 22.1399



20.8237, 27.0030, 52.0881



1.9957, 2.6350, 4.8466

Inverse Universe

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



52.4944, 26.3794, 64.6142



52.7548, 25.8659, 62.5660



56.3027, 52.6348, 8.4224



17.8509, 17.4677, 21.0708



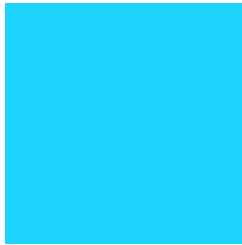
26.8029, 13.1369, 32.0000



2.5162, 1.2302, 3.1419

Previews

White Background



This preview shows how the XYZ color 41.6496, 54.3913, 100.3989 looks on a white background.

Color Contrast Check

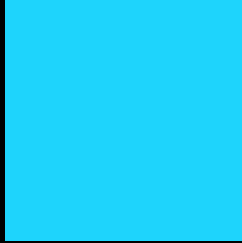
Large Text (above 18pt) WCAG AA × Fail

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 41.6496, 54.3913, 100.3989 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 41.6496, 54.3913, 100.3989

Background



This preview shows how black text looks on a background with the XYZ color 41.6496, 54.3913, 100.3989.



This preview shows how white text looks on a background with the XYZ color 41.6496, 54.3913,

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

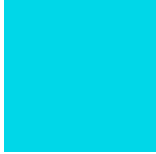
41.6496, 54.3913, 100.3989

Protanopia

53.4453, 53.4433, 87.6195

Deuteranopia

54.5949, 53.3940, 102.0364



Tritanopia

38.8659, 54.4271, 84.8010

Trichromacy



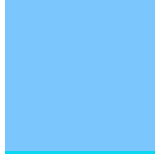
Original Color

41.6496, 54.3913, 100.3989



Protanomaly

45.2028, 51.7697, 91.6145



Deuteranomaly

46.3957, 51.8290, 101.3246



Tritanomaly

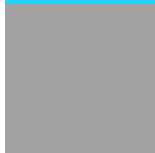
39.7646, 54.3963, 90.0651

Monochromacy



Original Color

41.6496, 54.3913, 100.3989



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

33.1110, 40.1601, 57.6363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6496, 54.3913, 100.3989 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, 212, 252)` looks like.

```
.text, #text, p{  
    color:rgb(30, 212, 252)  
}
```

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, 212, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 212, 252) }
```

Border

The CSS property to change the border of an element to XYZ 41.6496, 54.3913, 100.3989 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, 212, 252) }
```


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

```
.border{ border-color:rgb(30, 212, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 212, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 212, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 212, 252);  
box-shadow:4px 4px 4px 4px rgb(30, 212,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6496, 54.3913, 100.3989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 212, 252) }
```

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

```
.background{ background-color: rgb(30, 212,  
252) }
```

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