

Converting Colors

XYZ(50.6249, 56.4115,
149.9648)

Have a look what the booklet for
XYZ(50.6249, 56.4115, 149.9648)
contains.

XYZ(41.6446, 52.8672, 102.6172)	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(41.6446, 52.8672,
102.6172)**

Conversions

Conversions Part 1

Format	Color
Hex	2CD0FF
RGB	44, 208, 255
RGB Percent	17%, 82%, 100%
CMY	0.8274, 0.1843, 0.0000
CMYK	0.83, 0.18, 0.00, 0.00
HSL	193°, 100%, 59%
HSV	193°, 83%, 100%
XYZ	41.6446, 52.8672, 102.6172
YIQ	164.3220, -112.8310, -20.1510

Conversions

Conversions Part 2

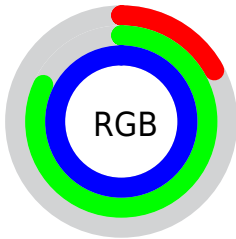
Format	Color
R _Y B	44, 136, 255
Decimal	2937087
CIE Lab	77.80, -24.53, -34.37
CIE LCh	78, 42.228, 234.479
Yxy	52.8672, 0.2113, 0.2682
Android (android.graphics.Color)	4281127167 (0xFF2CD0FF)
YUV	164.3220, 44.7043, -105.5224
Hunter-Lab	72.7098, -25.0062, -32.7806

Details

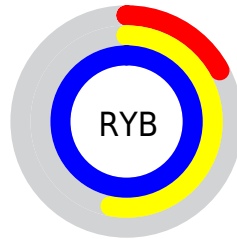
The XYZ color **41.6446, 52.8672, 102.6172** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **45.4379, 28.9277, 5.5739**, and the grayscale version is **35.2759, 37.1130, 40.4160**.

A 20% lighter version of the original color is **62.4142, 83.1756, 107.3727**, and **21.5843, 26.8597, 57.4729** is the 20% darker color. If you saturate the color by 10%, you get **39.5055, 49.7461, 102.1275**, and if you desaturate by 10%, it is **44.5079, 56.4372, 103.1554**.

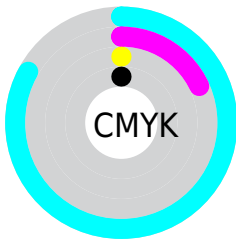
Distribution



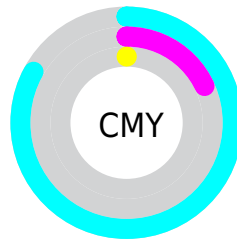
- Red (17%)
- Green (82%)
- Blue (100%)



- Red (17%)
- Yellow (53%)
- Blue (100%)



- Cyan (83%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (83%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6446, 52.8672, 102.6172 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 41.6446, 52.8672, 102.6172 by changing the saturation by 10% instead.

41.6446, 52.8672,
102.6172

41.6446, 52.8672,
102.6172

344.0243,
397.7754, 589.8697

29.0130, 37.6968,
77.8590

76.9300, 94.4089,
166.8323

19.2350, 25.7474,
57.4424

100.3145,
121.5490, 207.1264

11.9452, 16.6348,
40.9488

128.0140,
153.4478, 253.4362

6.7783, 9.9744,
27.9597

160.3939,
190.4896, 306.1802

3.3689, 5.3820,
18.0565

197.8195,
233.0589, 365.7770

1.3517, 2.4731,
10.8207

240.6562,

0.2214, 0.8631,

281.5400, 432.6452

5.8337

289.2694,
336.3174, 507.2032

■ 0.0000, 0.0000,
2.6771

■ 0.0000, 0.0000,
0.9319

■ 41.6446, 52.8672,
102.6172

■ 41.6446, 52.8672,
102.6172

■ 39.5055, 49.7461,
102.1275

■ 44.5079, 56.4372,
103.1554

■ 38.2889, 47.6978,
101.7963

■ 48.1981, 60.5070,
103.7464

■ 52.8055, 65.1247,
104.3949

■ 58.4069, 70.3307,
105.1045

65.0709, 76.1609,
105.8787

72.8595, 82.6483,
106.7204

81.8300, 89.8230,
107.6324

92.0358, 97.7131,
108.6174

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



37.2378, 52.8672, 78.3425



41.6446, 52.8672, 102.6172



48.7490, 52.8672, 115.1236

Triad

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



41.6446, 52.8672, 102.6172



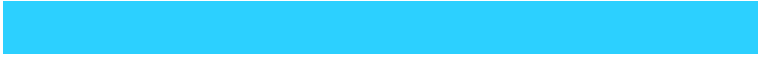
67.6066, 52.8672, 62.0119



44.0028, 52.8672, 25.5041

Complementary

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



41.6446, 52.8672, 102.6172



45.4379, 28.9277, 5.5739

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.



51.7789, 52.8672, 23.3346



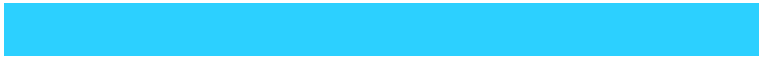
41.6446, 52.8672, 102.6172



65.9840, 52.8672, 40.8275

Square

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



41.6446, 52.8672, 102.6172



64.1840, 52.8672, 87.9383



59.9631, 52.8672, 28.1096



38.4922, 52.8672, 35.1379

Rectangle

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



41.6446, 52.8672, 102.6172



54.2890, 52.8672, 113.1932



59.9631, 52.8672, 28.1096



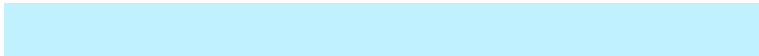
46.4139, 52.8672, 24.0109

Sweetspot

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



41.6462, 52.8690, 102.6175



70.9946, 81.1205, 106.5237



38.6339, 72.7897, 21.6274



14.6017, 16.8704, 22.7367



0.0000, 0.0000, 0.0000



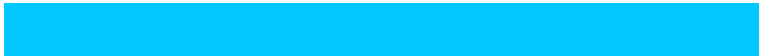
20.3446, 21.4041, 23.3091

Same Dimension

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



41.6462, 52.8690, 102.6175



38.4511, 47.9748, 101.8412



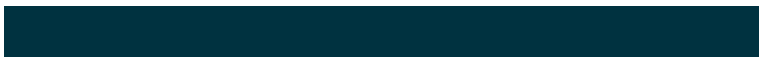
24.0199, 17.6164, 96.7421



18.1915, 19.7545, 23.1042



20.1232, 25.1559, 53.2296



2.0397, 2.6102, 5.2096

Inverse Universe

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



53.5270, 27.6173, 62.1856



51.5491, 25.4279, 56.0804



61.2602, 60.5723, 10.8480



18.6093, 18.2270, 21.8256



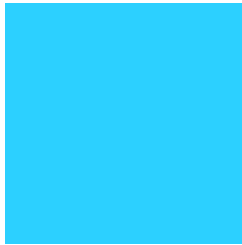
26.9455, 13.2675, 29.4269



2.6642, 1.3080, 3.0789

Previews

White Background



This preview shows how the XYZ color 41.6446, 52.8672, 102.6172 looks on a white background.

Color Contrast Check

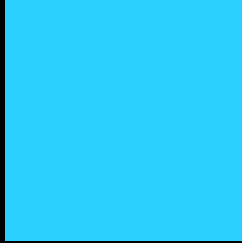
Large Text (above 18pt) WCAG AA × Fail

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 41.6446, 52.8672, 102.6172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

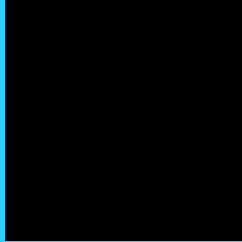
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.6446, 52.8672, 102.6172

Background



This preview shows how black text looks on a background with the XYZ color 41.6446, 52.8672, 102.6172.



This preview shows how white text looks on a background with the XYZ color 41.6446, 52.8672,

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

41.6446, 52.8672, 102.6172

Protanopia

52.4349, 52.2110, 90.5332

Deuteranopia

53.0465, 51.9571, 101.8406



Tritanopia

37.6863, 52.7441, 82.3231

Trichromacy



Original Color

41.6446, 52.8672, 102.6172



Protanomaly

45.4277, 50.8008, 94.6000



Deuteranomaly

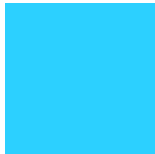
46.0226, 50.6102, 101.9508



Tritanomaly

38.9406, 52.8717, 89.0418

Monochromacy



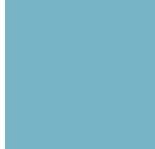
Original Color

41.6446, 52.8672, 102.6172



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

34.1450, 40.6668, 58.8732

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6446, 52.8672, 102.6172 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(44, 208, 255)` looks like.

```
.text, #text, p{  
    color:rgb(44, 208, 255)  
}
```

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(44, 208, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 208, 255) }
```

Border

The CSS property to change the border of an element to XYZ 41.6446, 52.8672, 102.6172 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(44, 208, 255) }
```


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

```
.border{ border-color:rgb(44, 208, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 208, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 208, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 208, 255);  
box-shadow:4px 4px 4px 4px rgb(44, 208,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6446, 52.8672, 102.6172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 208, 255) }
```

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

```
.background{ background-color: rgb(44, 208,  
255) }
```

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