

Converting Colors

XYZ(41.1223, 74.7472, 90.2224)

Have a look what the booklet for
XYZ(41.1223, 74.7472, 90.2224)
contains.

XYZ(50.6113, 77.4605, 90.1258)	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(50.6113, 77.4605,
90.1258)**

Conversions

Conversions Part 1

Format	Color
Hex	00FFEA
RGB	0, 255, 234
RGB Percent	0%, 100%, 92%
CMY	0.9997, 0.0000, 0.0823
CMYK	1.00, 0.00, 0.08, 0.00
HSL	175°, 100%, 50%
HSV	175°, 100%, 100%
XYZ	50.6113, 77.4605, 90.1258
YIQ	176.3610, -145.2390, -60.5910

Conversions

Conversions Part 2

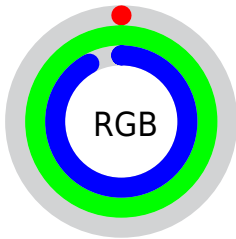
Format	Color
RYB	0, 133, 255
Decimal	65514
CIELab	90.53, -53.93, -4.11
CIELCh	91, 54.085, 184.355
Yxy	77.4605, 0.2320, 0.3550
Android (android.graphics.Color)	4278255594 (0xFF00FFEA)
YUV	176.3610, 28.4160, -154.6686
Hunter-Lab	88.0116, -51.3735, 0.8939

Details

The XYZ color **50.6113, 77.4605, 90.1258** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **41.3767, 21.3158, 2.6461**, and the grayscale version is **41.3757, 43.5304, 47.4047**.

A 20% lighter version of the original color is **61.4177, 82.6619, 107.3260**, and **28.0021, 43.1469, 48.9718** is the 20% darker color. If you saturate the color by 10%, you get **50.6108, 77.4603, 90.1232**, and if you desaturate by 10%, it is **51.3302, 77.7960, 91.7455**.

Distribution



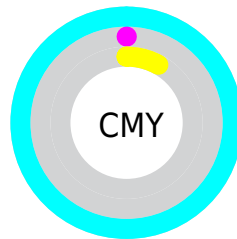
- Red (0%)
- Green (100%)
- Blue (92%)



- Red (0%)
- Yellow (52%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.6113, 77.4605, 90.1258 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 50.6113, 77.4605, 90.1258 by changing the saturation by 10% instead.


 50.6113, 77.4605,
90.1258


 50.6113, 77.4605,
90.1258


379.4643,
486.3327, 549.0206

 36.1191, 57.6309,
67.5107


 90.2664, 129.7893,
149.4502


 24.6968, 41.5120,
49.0356


 116.1600,
163.0573, 186.9965

 15.9788, 28.7194,
34.2819


 146.5848,
201.5736, 230.3570

 9.5999, 18.8686,
22.8311

 181.9062,
245.7225, 279.9502

 5.1947, 11.5754,
14.2647

222.4894,
295.8885, 336.1946

 2.3979, 6.4553,
8.1642

268.7000,

 0.8441, 3.1238,

352.4559, 399.5088

4.1109

320.9032,
415.8092, 470.3113

■ 0.0000, 1.1967,
1.6864

■ 0.0000, 0.0590,
0.3514

■ 50.6113, 77.4605,
90.1258

■ 50.6113, 77.4605,
90.1258

■ 50.6108, 77.4603,
90.1232

■ 51.3302, 77.7960,
91.7455

■ 52.5909, 78.4105,
93.4080

■ 54.5588, 79.3890,
95.1223

■ 57.3345, 80.7836,
96.8933

■ 61.0025, 82.6378,
98.7250

■ 65.6366, 84.9896,
100.6208

■ 71.3028, 87.8731,
102.5841

■ 78.0615, 91.3193,
104.6175

■ 85.9682, 95.3569,
106.7239

Harmonies

Analogous

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



52.5738, 77.4605, 56.0306



50.6113, 77.4605, 90.1258



54.1677, 77.4605, 133.7585

Triad

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



50.6113, 77.4605, 90.1258



89.3018, 77.4605, 162.0131



85.4668, 77.4605, 33.4276

Complementary

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



50.6113, 77.4605, 90.1258



41.3767, 21.3158, 2.6461

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.



97.2568, 77.4605, 48.8967



50.6113, 77.4605, 90.1258



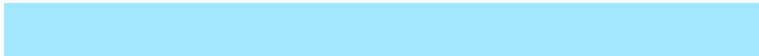
99.6543, 77.4605, 120.8709

Square

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



50.6113, 77.4605, 90.1258



75.6169, 77.4605, 182.5774



102.7293, 77.4605, 78.8098



71.6662, 77.4605, 29.7290

Rectangle

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



50.6113, 77.4605, 90.1258



59.4801, 77.4605, 160.5300



102.7293, 77.4605, 78.8098



89.8489, 77.4605, 37.1281

Sweetspot

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



50.6124, 77.4610, 90.1273



71.2870, 87.8650, 102.5790



36.0762, 71.6830, 11.9367



14.7195, 18.5323, 21.7772



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.



50.6124, 77.4610, 90.1273



50.6108, 77.4603, 90.1232



28.7630, 28.6448, 98.6208



18.4865, 20.4541, 22.8649



26.4722, 40.4855, 47.2333



2.5958, 3.9493, 4.6954

Inverse Universe

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



41.3767, 21.3158, 2.6461



41.3754, 21.3142, 2.6430



46.4241, 31.6277, 3.6598



18.0701, 18.0113, 18.9863



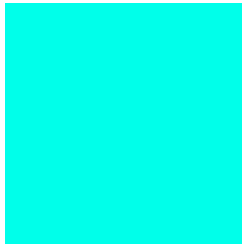
21.6405, 11.1455, 1.4913



2.1269, 1.0931, 0.2497

Previews

White Background



This preview shows how the XYZ color 50.6113, 77.4605, 90.1258 looks on a white background.

Color Contrast Check

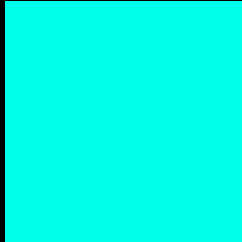
Large Text (above 18pt) WCAG AA × Fail

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 50.6113, 77.4605, 90.1258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

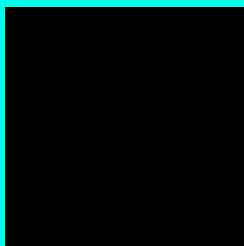
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

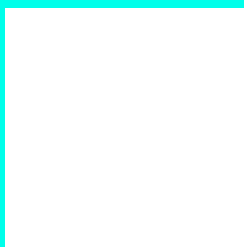
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.6113, 77.4605, 90.1258

Background



This preview shows how black text looks on a background with the XYZ color 50.6113, 77.4605, 90.1258.

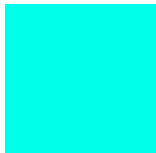


This preview shows how white text looks on a background with the XYZ color 50.6113, 77.4605,

Color Blindness Simulation

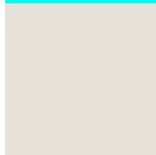
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



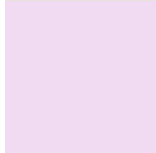
Original Color

50.6113, 77.4605, 90.1258



Protanopia

72.7283, 76.0160, 76.4850



Deuteranopia

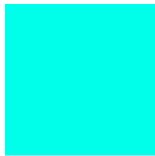
77.2937, 75.5991, 94.5227



Tritanopia

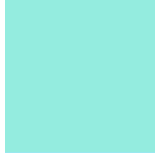
61.8997, 76.5202, 106.1151

Trichromacy



Original Color

50.6113, 77.4605, 90.1258



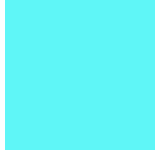
Protanomaly

55.5275, 71.6145, 80.7084



Deuteranomaly

57.5735, 70.7175, 92.2768



Tritanomaly

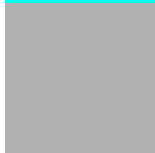
54.4636, 75.0598, 99.6132

Monochromacy



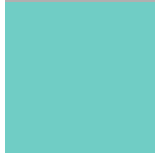
Original Color

50.6113, 77.4605, 90.1258



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

38.5915, 51.1386, 60.6601

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6113, 77.4605, 90.1258 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, 255, 234)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 234)  
}
```

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, 255, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 234) }
```

Border

The CSS property to change the border of an element to XYZ 50.6113, 77.4605, 90.1258 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, 255, 234) }
```


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

```
.border{ border-color:rgb(0, 255, 234) }
```

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

Here you see how a box with a 4 pixel rgb(0, 255, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6113, 77.4605, 90.1258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 234) }
```

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

```
.background{ background-color: rgb(0, 255,  
234) }
```

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