

Converting Colors

XYZ(45.2719, 66.4940, 89.2062)

Have a look what the booklet for
XYZ(45.2719, 66.4940, 89.2062)
contains.

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Color

**XYZ(45.2921, 66.5730,
89.0600)**

Conversions

Conversions Part 1

Format	Color
Hex	01EDEB
RGB	1, 237, 235
RGB Percent	0%, 93%, 92%
CMY	0.9958, 0.0706, 0.0784
CMYK	1.00, 0.00, 0.01, 0.07
HSL	179°, 99%, 47%
HSV	179°, 100%, 93%
XYZ	45.2921, 66.5730, 89.0600
YIQ	166.2080, -140.0140, -50.6540

Conversions

Conversions Part 2

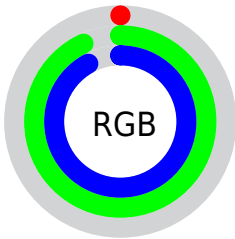
Format	Color
RYB	1, 120, 237
Decimal	126443
CIELab	85.29, -46.05, -12.41
CIELCh	85, 47.689, 195.080
Yxy	66.5730, 0.2254, 0.3313
Android (android.graphics.Color)	4278316523 (0xFF01EDEB)
YUV	166.2080, 33.9145, -144.8874
Hunter-Lab	81.5923, -43.7006, -7.6019

Details

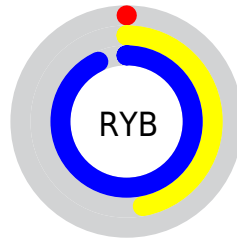
The XYZ color **45.2921, 66.5730, 89.0600** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **34.9545, 18.0349, 1.7268**, and the grayscale version is **36.2455, 38.1331, 41.5269**.

A 20% lighter version of the original color is **61.0125, 82.4530, 107.3071**, and **24.4579, 35.8972, 48.2876** is the 20% darker color. If you saturate the color by 10%, you get **45.2795, 66.5681, 89.0541**, and if you desaturate by 10%, it is **45.7050, 66.7839, 89.2326**.

Distribution



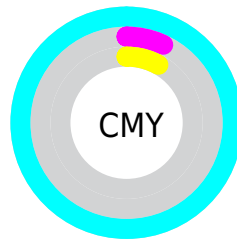
- Red (0%)
- Green (93%)
- Blue (92%)



- Red (0%)
- Yellow (47%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (7%)





- Cyan (100%)
- Magenta (7%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2921, 66.5730, 89.0600 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 45.2921, 66.5730, 89.0600 by changing the saturation by 10% instead.


 45.2921, 66.5730,
89.0600


 45.2921, 66.5730,
89.0600


358.7191,
448.4233, 545.4593

 31.8898, 48.7377,
66.6320


 82.3929, 114.3084,
147.9561


 21.4325, 34.4115,
48.3259


 106.8222,
144.9772, 185.2612


 13.5548, 23.2099,
33.7232


 135.6578,
180.6927, 228.3625

 7.8913, 14.7485,
22.4054

 169.2652,
221.8392, 277.6784

 4.0767, 8.6431,
13.9539

 208.0097,
268.8011, 333.6275

 1.7456, 4.5091,
7.9502

252.2566,

 0.4846, 1.9622,

321.9628, 396.6283

3.9758

302.3713,
381.7088, 467.0994

■ 0.0000, 0.5854,
1.6121

■ 0.0000, 0.0000,
0.2994

■ 45.2921, 66.5730,
89.0600

■ 45.2921, 66.5730,
89.0600

■ 45.2795, 66.5681,
89.0541

■ 45.7050, 66.7839,
89.2326

■ 46.5799, 67.2316,
89.4255

■ 48.0528, 67.9876,
89.6465

■ 50.2069, 69.0946,
89.8996

■ 53.1119, 70.5889,
90.1880

■ 56.8293, 72.5019,
90.5146

■ 61.4140, 74.8620,
90.8819

■ 66.9161, 77.6950,
91.2924

■ 73.3821, 81.0250,
91.7481

Harmonies

Analogous

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



45.2801, 66.5730, 58.2471



45.2921, 66.5730, 89.0600



49.7346, 66.5730, 123.1905

Triad

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



45.2921, 66.5730, 89.0600



79.1228, 66.5730, 123.0234



68.7658, 66.5730, 28.9148

Complementary

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



45.2921, 66.5730, 89.0600



34.9545, 18.0349, 1.7268

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.



79.0753, 66.5730, 38.0444



45.2921, 66.5730, 89.0600



85.5007, 66.5730, 88.8762

Square

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



45.2921, 66.5730, 89.0600



68.8250, 66.5730, 146.2724



85.4824, 66.5730, 58.1086



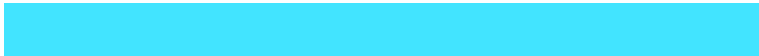
58.0329, 66.5730, 28.9381

Rectangle

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



45.2921, 66.5730, 89.0600



54.9349, 66.5730, 140.7795



85.4824, 66.5730, 58.1086



72.4206, 66.5730, 30.8683

Sweetspot

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



45.2941, 66.5755, 89.0616



72.1807, 88.2225, 107.2852



30.3535, 60.6049, 10.1286



14.9371, 18.6194, 22.9231



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.



45.2941, 66.5755, 89.0616



53.4636, 78.6014, 105.1458



22.3785, 20.2788, 82.8581



15.5119, 17.1196, 19.3783



24.7228, 36.3436, 48.6328



1.9431, 2.8546, 3.8283

Inverse Universe

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



34.9545, 18.0349, 1.7268



41.2519, 21.2647, 1.9924



41.0742, 30.2919, 3.7126



15.0707, 15.0561, 15.6575



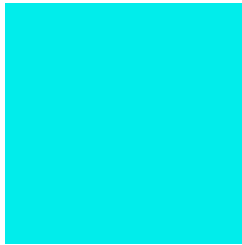
19.0762, 9.8332, 0.9367



1.4998, 0.7729, 0.0832

Previews

White Background



This preview shows how the XYZ color 45.2921, 66.5730, 89.0600 looks on a white background.

Color Contrast Check

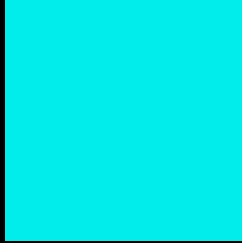
Large Text (above 18pt) WCAG AA × Fail

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 45.2921, 66.5730, 89.0600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

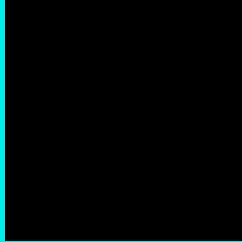
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

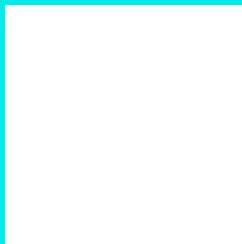
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.2921, 66.5730, 89.0600

Background



This preview shows how black text looks on a background with the XYZ color 45.2921, 66.5730, 89.0600.

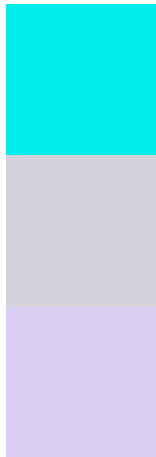


This preview shows how white text looks on a background with the XYZ color 45.2921, 66.5730,

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

45.2921, 66.5730, 89.0600

Protanopia

63.2733, 65.3538, 76.2975

Deuteranopia

66.7136, 65.3051, 93.0934



Tritanopia

48.2346, 66.4954, 103.2212

Trichromacy



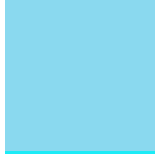
Original Color

45.2921, 66.5730, 89.0600



Protanomaly

49.3371, 61.8569, 80.5734



Deuteranomaly

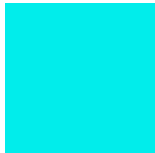
50.8741, 61.2610, 90.8046



Tritanomaly

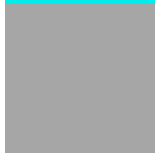
46.8496, 66.3317, 97.5228

Monochromacy



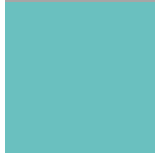
Original Color

45.2921, 66.5730, 89.0600



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

34.1975, 44.5250, 56.0820

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2921, 66.5730, 89.0600 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(1, 237, 235)` looks like.

```
.text, #text, p{  
    color:rgb(1, 237, 235)  
}
```

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(1, 237, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 237, 235) }
```

Border

The CSS property to change the border of an element to XYZ 45.2921, 66.5730, 89.0600 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(1, 237, 235) }
```


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

```
.border{ border-color:rgb(1, 237, 235) }
```

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

Here you see how a box with a 4 pixel rgb(1, 237, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 237, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 237, 235);  
box-shadow:4px 4px 4px 4px rgb(1, 237,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2921, 66.5730, 89.0600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 237, 235) }
```

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

```
.background{ background-color: rgb(1, 237,  
235) }
```

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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