

Converting Colors

XYZ(46.0412, 66.5162, 89.7566)

Have a look what the booklet for
XYZ(46.0412, 66.5162, 89.7566)
contains.

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Color

**XYZ(46.0502, 66.5185,
89.7691)**

Conversions

Conversions Part 1

Format	Color
Hex	29ECEC
RGB	41, 236, 236
RGB Percent	16%, 93%, 93%
CMY	0.8391, 0.0745, 0.0745
CMYK	0.83, 0.00, 0.00, 0.07
HSL	180°, 84%, 54%
HSV	180°, 83%, 93%
XYZ	46.0502, 66.5185, 89.7691
YIQ	177.6950, -116.2200, -41.3400

Conversions

Conversions Part 2

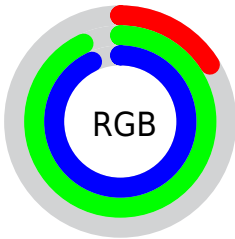
Format	Color
RYB	41, 139, 236
Decimal	2747628
CIELab	85.26, -43.76, -12.95
CIELCh	85, 45.636, 196.485
Yxy	66.5185, 0.2276, 0.3287
Android (android.graphics.Color)	4280937708 (0xFF29ECEC)
YUV	177.6950, 28.7444, -119.8815
Hunter-Lab	81.5589, -41.9424, -8.1673

Details

The XYZ color **46.0502, 66.5185, 89.7691** 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 **35.7874, 19.5809, 3.9930**, and the grayscale version is **42.0565, 44.2467, 48.1847**.

A 20% lighter version of the original color is **62.4142, 83.1756, 107.3727**, and **24.3583, 35.5355, 48.7552** is the 20% darker color. If you saturate the color by 10%, you get **45.3757, 66.1722, 89.7389**, and if you desaturate by 10%, it is **47.2919, 67.1600, 89.8289**.

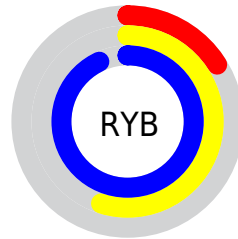
Distribution



Red (16%)

Green (93%)

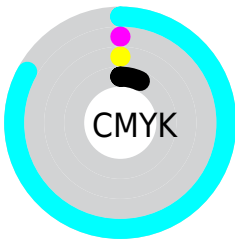
Blue (93%)



Red (16%)

Yellow (55%)

Blue (93%)

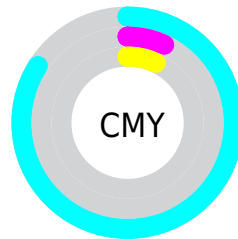


Cyan (83%)

Magenta (0%)

Yellow (0%)

Black (7%)



Cyan (84%)


Magenta (7%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0502, 66.5185, 89.7691 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 46.0502, 66.5185, 89.7691 by changing the saturation by 10% instead.


 46.0502, 66.5185,
89.7691


 46.0502, 66.5185,
89.7691


361.7230,
448.2289, 547.8302


 32.4902, 48.6934,
67.2165

 83.5215, 114.2302,
148.9503


 21.8936, 34.3764,
48.7979


 108.1636,
144.8856, 186.4161

 13.8949, 23.1829,
34.0947


 137.2304,
180.5866, 229.6899

 8.1288, 14.7286,
22.6884

 171.0873,
221.7176, 279.1905

 4.2300, 8.6291,
14.1605

210.0997,
268.6629, 335.3362

 1.8330, 4.5001,
8.0923

254.6328,

 0.5375, 1.9570,

321.8069, 398.5457

4.0655

305.0521,
381.5342, 469.2375

■ 0.0000, 0.5823,
1.6613

■ 0.0000, 0.0000,
0.3340

■ 46.0502, 66.5185,
89.7691

■ 46.0502, 66.5185,
89.7691

■ 45.3757, 66.1722,
89.7389


■ 47.2919, 67.1600,
89.8289


■ 45.1370, 66.0492,
89.7275


■ 49.1824, 68.1346,
89.9176


■ 51.7963, 69.4821,
90.0401


■ 55.1965, 71.2350,
90.1994

 59.4393, 73.4222,
90.3981

 64.5755, 76.0701,
90.6387

 70.6522, 79.2027,
90.9233

 77.7131, 82.8427,
91.2539

 85.7990, 87.0112,
91.6325

Harmonies

Analogous

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



45.8352, 66.5185, 59.9483



46.0502, 66.5185, 89.7691



50.5283, 66.5185, 121.9169

Triad

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



46.0502, 66.5185, 89.7691



78.7237, 66.5185, 118.9952



67.9727, 66.5185, 30.0500

Complementary

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



46.0502, 66.5185, 89.7691



35.7874, 19.5809, 3.9930

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.



77.8855, 66.5185, 38.5533



46.0502, 66.5185, 89.7691



84.5331, 66.5185, 86.5281

Square

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



46.0502, 66.5185, 89.7691



69.0200, 66.5185, 141.6807



84.2107, 66.5185, 57.4765



57.7616, 66.5185, 30.4758

Rectangle

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



46.0502, 66.5185, 89.7691



55.6367, 66.5185, 137.9875



84.2107, 66.5185, 57.4765



71.4712, 66.5185, 31.8330

Sweetspot

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



46.0522, 66.5210, 89.7707



75.3587, 89.8488, 107.9779



31.4473, 60.6946, 12.1573



15.6614, 18.9898, 23.0898



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.



46.0522, 66.5210, 89.7707



53.8415, 78.7563, 106.9693



25.6935, 25.8030, 82.9859



15.5177, 17.1219, 19.4092



24.8795, 36.4063, 49.4578



1.9536, 2.8588, 3.8836

Inverse Universe

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



35.7874, 19.5809, 3.9930



41.2817, 21.3209, 2.0129



43.6943, 35.3946, 6.6284



15.0655, 15.0541, 15.6304



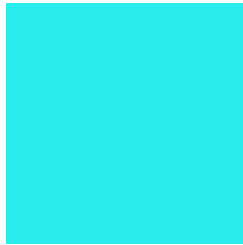
19.0678, 9.8298, 0.8924



1.4973, 0.7719, 0.0701

Previews

White Background



This preview shows how the XYZ color 46.0502, 66.5185, 89.7691 looks on a white background.

Color Contrast Check

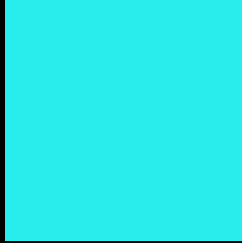
Large Text (above 18pt) WCAG AA × Fail

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 46.0502, 66.5185, 89.7691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

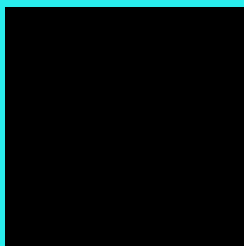
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

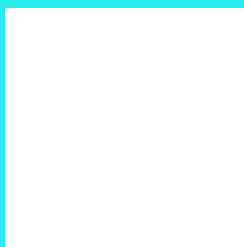
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.0502, 66.5185, 89.7691

Background



This preview shows how black text looks on a background with the XYZ color 46.0502, 66.5185, 89.7691.

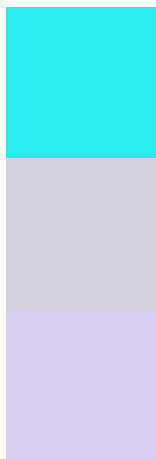


This preview shows how white text looks on a background with the XYZ color 46.0502, 66.5185,

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

46.0502, 66.5185, 89.7691

Protanopia

63.1162, 65.2575, 76.9795

Deuteranopia

66.8642, 65.3654, 93.8867



Tritanopia

48.3969, 66.1760, 102.3179

Trichromacy



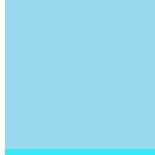
Original Color

46.0502, 66.5185, 89.7691



Protanomaly

51.6367, 62.6381, 81.3203



Deuteranomaly

53.6779, 62.6893, 91.7092



Tritanomaly

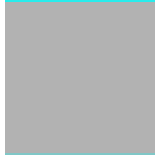
47.4226, 66.2033, 97.4679

Monochromacy



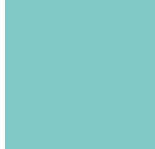
Original Color

46.0502, 66.5185, 89.7691



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

39.6343, 49.5596, 61.5098

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0502, 66.5185, 89.7691 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(41, 236, 236)` looks like.

```
.text, #text, p{  
    color:rgb(41, 236, 236)  
}
```

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(41, 236, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 236, 236) }
```

Border

The CSS property to change the border of an element to XYZ 46.0502, 66.5185, 89.7691 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(41, 236, 236) }
```


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

```
.border{ border-color:rgb(41, 236, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 236, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 236, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 236, 236);  
box-shadow:4px 4px 4px 4px rgb(41, 236,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0502, 66.5185, 89.7691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 236, 236) }
```

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

```
.background{ background-color: rgb(41, 236,  
236) }
```

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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