

Converting Colors

XYZ(46.1198, 66.5361, 94.6134)

Have a look what the booklet for
XYZ(46.1198, 66.5361, 94.6134)
contains.

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Color

**XYZ(46.0225, 66.4017,
94.3956)**

Conversions

Conversions Part 1

Format	Color
Hex	00ECF2
RGB	0, 236, 242
RGB Percent	0%, 93%, 95%
CMY	0.9997, 0.0745, 0.0510
CMYK	1.00, 0.02, 0.00, 0.05
HSL	181°, 100%, 47%
HSV	181°, 100%, 95%
XYZ	46.0225, 66.4017, 94.3956
YIQ	166.1200, -142.5820, -48.1660

Conversions

Conversions Part 2

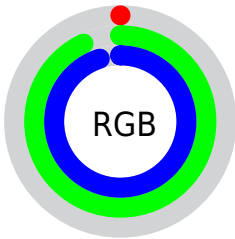
Format	Color
RYB	0, 119, 242
Decimal	60658
CIELab	85.20, -43.58, -16.22
CIELCh	85, 46.504, 200.413
Yxy	66.4017, 0.2225, 0.3211
Android (android.graphics.Color)	4278250738 (0xFF00ECF2)
YUV	166.1200, 37.4088, -145.6872
Hunter-Lab	81.4872, -41.7891, -11.6410

Details

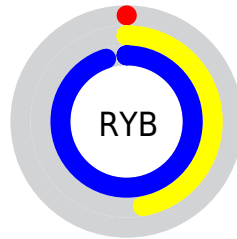
The XYZ color **46.0225, 66.4017, 94.3956** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **36.6848, 19.0095, 1.7377**, and the grayscale version is **36.1888, 38.0734, 41.4620**.

A 20% lighter version of the original color is **61.1461, 82.5219, 107.3133**, and **24.9830, 35.7854, 52.0449** is the 20% darker color. If you saturate the color by 10%, you get **46.0231, 66.4027, 94.3970**, and if you desaturate by 10%, it is **46.5799, 66.9473, 94.4728**.

Distribution



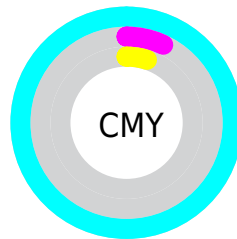
- Red (0%)
- Green (93%)
- Blue (95%)



- Red (0%)
- Yellow (47%)
- Blue (95%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (5%)




- Cyan (100%)
- Magenta (7%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0225, 66.4017, 94.3956 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 46.0225, 66.4017, 94.3956 by changing the saturation by 10% instead.


 46.0225, 66.4017,
94.3956


 46.0225, 66.4017,
94.3956


361.6135,
447.8121, 563.1631


 32.4683, 48.5986,
71.0379


 83.4803, 114.0627,
155.4177


 21.8767, 34.3011,
51.8911


 108.1146,
144.6893, 193.9193

 13.8824, 23.1250,
36.5367


 137.1730,
180.3593, 238.3058

 8.1201, 14.6859,
24.5560

 171.0208,
221.4569, 288.9960

 4.2243, 8.5992,
15.5306

 210.0234,
268.3666, 346.4082

 1.8298, 4.4807,
9.0418

254.5462,

 0.5355, 1.9459,

321.4728, 410.9611

4.6713

304.9544,
381.1598, 483.0732

■ 0.0000, 0.5758,
2.0004

■ 0.0000, 0.0000,
0.5555

■ 46.0225, 66.4017,
94.3956

■ 46.0225, 66.4017,
94.3956

■ 46.0231, 66.4027,
94.3970

■ 46.5799, 66.9473,
94.4728

■ 47.6116, 67.7370,
94.5708

■ 49.2674, 68.8492,
94.6982

■ 51.6355, 70.3295,
94.8591

■ 54.7900, 72.2160,
95.0570

■ 58.7958, 74.5423,
95.2949

■ 63.7110, 77.3383,
95.5755

■ 69.5886, 80.6312,
95.9013

■ 76.4776, 84.4464,
96.2747

Harmonies

Analogous

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



45.2285, 66.4017, 63.0937



46.0225, 66.4017, 94.3956



51.1040, 66.4017, 126.6281

Triad

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



46.0225, 66.4017, 94.3956



79.9817, 66.4017, 115.7492



66.5345, 66.4017, 28.9665

Complementary

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



46.0225, 66.4017, 94.3956



36.6848, 19.0095, 1.7377

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.



76.8693, 66.4017, 36.2735



46.0225, 66.4017, 94.3956



85.1815, 66.4017, 82.3613

Square

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



46.0225, 66.4017, 94.3956



70.4182, 66.4017, 141.1381



83.9834, 66.4017, 53.9534



56.3310, 66.4017, 30.5280

Rectangle

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



46.0225, 66.4017, 94.3956



56.5851, 66.4017, 141.5840



83.9834, 66.4017, 53.9534



70.1243, 66.4017, 30.3677

Sweetspot

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



46.0245, 66.4041, 94.3972



71.6829, 87.0600, 107.6339



31.7760, 63.5147, 10.7026



14.8157, 18.3358, 23.0082



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.



46.0245, 66.4041, 94.3972



51.8261, 74.7722, 106.3087



22.3900, 19.1350, 86.5190



16.2118, 17.8577, 20.3140



24.7395, 35.7033, 50.7154



2.0687, 2.9913, 4.2226

Inverse Universe

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



51.7601, 24.9354, 81.4443



58.2886, 28.0794, 91.7068



43.9612, 33.5623, 4.1632



16.4364, 16.0243, 19.8540



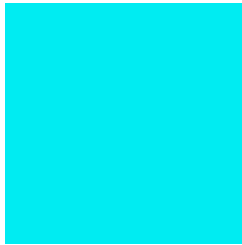
27.8130, 13.3976, 43.7933



2.3191, 1.1167, 3.6713

Previews

White Background



This preview shows how the XYZ color 46.0225, 66.4017, 94.3956 looks on a white background.

Color Contrast Check

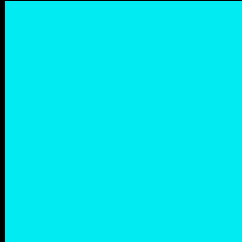
Large Text (above 18pt) WCAG AA × Fail

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 46.0225, 66.4017, 94.3956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

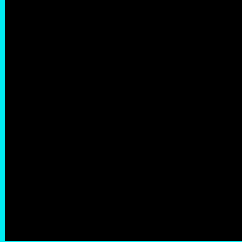
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.0225, 66.4017, 94.3956

Background



This preview shows how black text looks on a background with the XYZ color 46.0225, 66.4017, 94.3956.

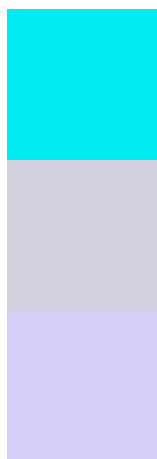


This preview shows how white text looks on a background with the XYZ color 46.0225, 66.4017,

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

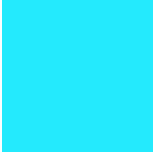
46.0225, 66.4017, 94.3956

Protanopia

63.5012, 65.3783, 80.5066

Deuteranopia

66.6108, 65.1283, 98.6828



Tritanopia

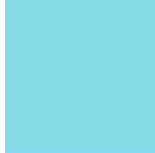
47.8800, 66.3126, 103.2046

Trichromacy



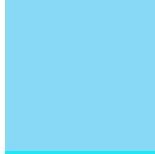
Original Color

46.0225, 66.4017, 94.3956



Protanomaly

49.5868, 61.5009, 84.8587



Deuteranomaly

51.6007, 61.5138, 96.3425



Tritanomaly

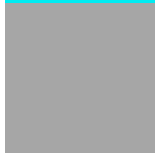
47.1606, 66.4384, 99.9608

Monochromacy



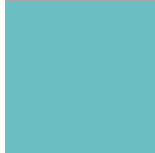
Original Color

46.0225, 66.4017, 94.3956



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

34.3123, 44.2208, 57.7660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0225, 66.4017, 94.3956 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, 236, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 236, 242)  
}
```

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, 236, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 236, 242) }
```

Border

The CSS property to change the border of an element to XYZ 46.0225, 66.4017, 94.3956 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, 236, 242) }
```


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

```
.border{ border-color:rgb(0, 236, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 236, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 236, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 236, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 236,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0225, 66.4017, 94.3956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 236, 242) }
```

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

```
.background{ background-color: rgb(0, 236,  
242) }
```

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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