

Converting Colors

XYZ(46.5248, 67.1319, 89.5292)

Have a look what the booklet for
XYZ(46.5248, 67.1319, 89.5292)
contains.

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Color

**XYZ(46.6434, 67.2529,
89.8796)**

Conversions

Conversions Part 1

Format	Color
Hex	30EDEC
RGB	48, 237, 236
RGB Percent	19%, 93%, 93%
CMY	0.8117, 0.0706, 0.0745
CMYK	0.80, 0.00, 0.00, 0.07
HSL	180°, 84%, 56%
HSV	180°, 80%, 93%
XYZ	46.6434, 67.2529, 89.8796
YIQ	180.3750, -112.3230, -40.3790

Conversions

Conversions Part 2

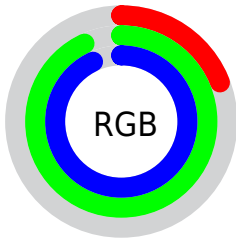
Format	Color
RYB	48, 143, 237
Decimal	3206636
CIELab	85.63, -43.68, -12.39
CIELCh	86, 45.404, 195.832
Yxy	67.2529, 0.2289, 0.3300
Android (android.graphics.Color)	4281396716 (0xFF30EDEC)
YUV	180.3750, 27.4231, -116.0929
Hunter-Lab	82.0079, -41.9888, -7.5756

Details

The XYZ color **46.6434, 67.2529, 89.8796** 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 **36.5386, 20.3422, 4.9083**, and the grayscale version is **43.4876, 45.7524, 49.8243**.

A 20% lighter version of the original color is **62.8633, 83.4071, 107.3937**, and **24.5595, 35.9378, 48.8223** is the 20% darker color. If you saturate the color by 10%, you get **45.7917, 66.8174, 89.7460**, and if you desaturate by 10%, it is **48.0954, 68.0008, 90.0444**.

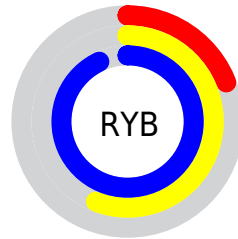
Distribution



Red (19%)

Green (93%)

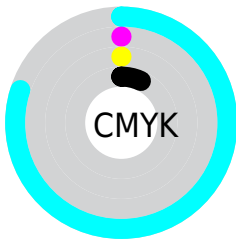
Blue (93%)



Red (19%)

Yellow (56%)

Blue (93%)

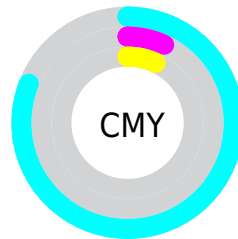


Cyan (80%)

Magenta (0%)

Yellow (0%)

Black (7%)



Cyan (81%)


Magenta (7%)


Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6434, 67.2529, 89.8796 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 46.6434, 67.2529, 89.8796 by changing the saturation by 10% instead.


 46.6434, 67.2529,
89.8796


 46.6434, 67.2529,
89.8796


364.0621,
450.8444, 548.1991


 32.9606, 49.2902,
67.3076


 84.4031, 115.2827,
149.1052

 22.2554, 34.8497,
48.8715


 109.2107,
146.1186, 186.5959

 14.1623, 23.5471,
34.1527


 138.4572,
182.0143, 229.8966

 8.3161, 14.9980,
22.7326

 172.5081,
223.3543, 279.4259

 4.3514, 8.8180,
14.1927

211.7287,
270.5229, 335.6022

 1.9028, 4.6227,
8.1146

256.4843,

 0.5784, 2.0276,

323.9045, 398.8442

4.0795

307.1403,
383.8836, 469.5703

■ 0.0000, 0.6234,
1.6691

■ 0.0000, 0.0000,
0.3394

■ 46.6434, 67.2529,
89.8796

■ 46.6434, 67.2529,
89.8796

■ 45.7917, 66.8174,
89.7460

■ 48.0954, 68.0008,
90.0444


■ 45.3970, 66.6160,
89.6323


■ 50.2250, 69.0965,
90.2395


■ 45.3888, 66.6119,
89.6295


■ 53.1044, 70.5788,
90.4697


■ 56.7950, 72.4792,
90.7380

 61.3518, 74.8263,
91.0469

 66.8252, 77.6458,
91.3987

 73.2616, 80.9617,
91.7956

 80.7042, 84.7964,
92.2398

 86.8306, 87.9526,
92.6224

Harmonies

Analogous

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



46.5225, 67.2529, 60.1588



46.6434, 67.2529, 89.8796



51.0491, 67.2529, 122.1162

Triad

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



46.6434, 67.2529, 89.8796



79.2648, 67.2529, 120.4807



68.9114, 67.2529, 30.7406

Complementary

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



46.6434, 67.2529, 89.8796



36.5386, 20.3422, 4.9083

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.



78.7949, 67.2529, 39.5153



46.6434, 67.2529, 89.8796



85.1945, 67.2529, 88.0625

Square

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



46.6434, 67.2529, 89.8796



69.4989, 67.2529, 142.7766



85.0138, 67.2529, 58.7698



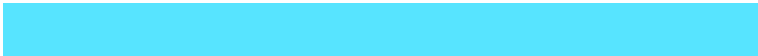
58.6514, 67.2529, 30.9809

Rectangle

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



46.6434, 67.2529, 89.8796



56.1247, 67.2529, 138.4046



85.0138, 67.2529, 58.7698



72.4096, 67.2529, 32.6035

Sweetspot

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



46.6454, 67.2554, 89.8812



75.9546, 90.1620, 107.7339



32.1926, 61.4921, 12.9704



15.7724, 19.0485, 23.0281



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.



46.6454, 67.2554, 89.8812



53.7294, 78.7225, 105.8792



26.7327, 27.1963, 83.9639



15.5141, 17.1205, 19.3899



24.7814, 36.3670, 48.9416



1.9471, 2.8561, 3.8490

Inverse Universe

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



36.5386, 20.3422, 4.9083



41.4140, 21.5068, 2.3004



44.7449, 36.7883, 7.5405



15.0688, 15.0554, 15.6474



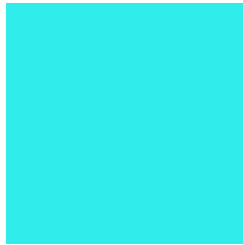
19.0730, 9.8319, 0.9201



1.4988, 0.7725, 0.0783

Previews

White Background



This preview shows how the XYZ color 46.6434, 67.2529, 89.8796 looks on a white background.

Color Contrast Check

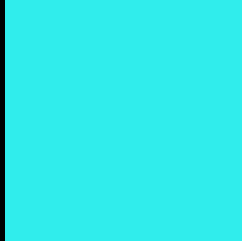
Large Text (above 18pt) WCAG AA × Fail

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 46.6434, 67.2529, 89.8796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

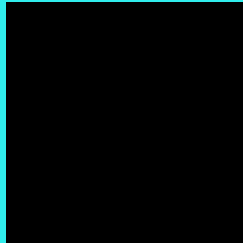
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.6434, 67.2529, 89.8796

Background



This preview shows how black text looks on a background with the XYZ color 46.6434, 67.2529, 89.8796.

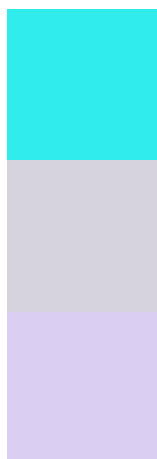


This preview shows how white text looks on a background with the XYZ color 46.6434, 67.2529,

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

46.6434, 67.2529, 89.8796

Protanopia

63.9441, 66.0520, 77.0892

Deuteranopia

67.4039, 66.0021, 93.9811



Tritanopia

49.2023, 66.9942, 103.2665

Trichromacy



Original Color

46.6434, 67.2529, 89.8796



Protanomaly

52.6471, 63.5474, 81.4426



Deuteranomaly

54.5099, 63.5020, 91.8222



Tritanomaly

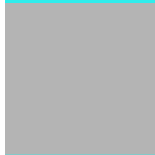
48.2418, 67.0316, 98.3915

Monochromacy



Original Color

46.6434, 67.2529, 89.8796



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

40.8277, 50.8490, 62.3066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6434, 67.2529, 89.8796 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(48, 237, 236)` looks like.

```
.text, #text, p{  
    color:rgb(48, 237, 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(48, 237, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 237, 236) }
```

Border

The CSS property to change the border of an element to XYZ 46.6434, 67.2529, 89.8796 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(48, 237, 236) }
```


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

```
.border{ border-color:rgb(48, 237, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 237, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 237, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 237, 236);  
box-shadow:4px 4px 4px 4px rgb(48, 237,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6434, 67.2529, 89.8796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 237, 236) }
```

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

```
.background{ background-color: rgb(48, 237,  
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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