

Converting Colors

XYZ(46.0602, 65.7525, 90.9770)

Have a look what the booklet for
XYZ(46.0602, 65.7525, 90.9770)
contains.

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Color

**XYZ(46.0277, 65.6230,
91.1295)**

Conversions

Conversions Part 1

Format	Color
Hex	2FEAEE
RGB	47, 234, 238
RGB Percent	18%, 92%, 93%
CMY	0.8156, 0.0823, 0.0667
CMYK	0.80, 0.02, 0.00, 0.07
HSL	181°, 85%, 56%
HSV	181°, 80%, 93%
XYZ	46.0277, 65.6230, 91.1295
YIQ	178.5430, -112.7360, -38.4000

Conversions

Conversions Part 2

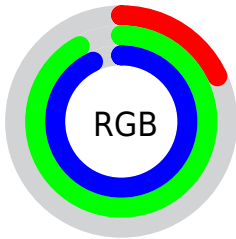
Format	Color
RYB	47, 141, 238
Decimal	3140334
CIELab	84.80, -41.86, -14.68
CIELCh	85, 44.356, 199.326
Yxy	65.6230, 0.2270, 0.3236
Android (android.graphics.Color)	4281330414 (0xFF2FEAEE)
YUV	178.5430, 29.3123, -115.3632
Hunter-Lab	81.0080, -40.3427, -9.9923

Details

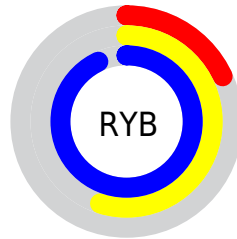
The XYZ color **46.0277, 65.6230, 91.1295** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **36.9584, 20.7518, 4.7487**, and the grayscale version is **42.5003, 44.7136, 48.6931**.

A 20% lighter version of the original color is **62.7121, 83.3292, 107.3866**, and **24.3639, 35.2182, 49.7696** is the 20% darker color. If you saturate the color by 10%, you get **45.0733, 64.9221, 91.0457**, and if you desaturate by 10%, it is **47.5838, 66.6375, 91.2445**.

Distribution



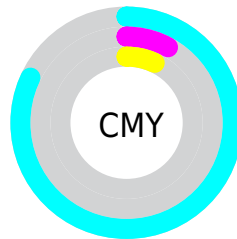
- Red (18%)
- Green (92%)
- Blue (93%)



- Red (18%)
- Yellow (55%)
- Blue (93%)



- Cyan (80%)
- Magenta (2%)
- Yellow (0%)
- Black (7%)





- Cyan (82%)
- Magenta (8%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0277, 65.6230, 91.1295 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 46.0277, 65.6230, 91.1295 by changing the saturation by 10% instead.


 46.0277, 65.6230,
91.1295


 46.0277, 65.6230,
91.1295


361.6341,
445.0274, 552.3629


 32.4724, 47.9664,
68.3388


 83.4881, 112.9451,
150.8555


 21.8799, 33.8003,
49.7050


 108.1238,
143.3793, 188.6280

 13.8848, 22.7402,
34.8095


 137.1838,
178.8417, 232.2314

 8.1217, 14.4018,
23.2338

 171.0333,
219.7164, 282.0845

 4.2254, 8.4007,
14.5593

210.0378,
266.3879, 338.6056

 1.8304, 4.3524,
8.3675

254.5625,

 0.5359, 1.8726,

319.2407, 402.2133

4.2399

304.9728,
378.6590, 473.3262

■ 0.0000, 0.5318,
1.7578

■ 0.0000, 0.0000,
0.3999

■ 46.0277, 65.6230,
91.1295

■ 46.0277, 65.6230,
91.1295

■ 45.0733, 64.9221,
91.0457

■ 47.5838, 66.6375,
91.2445

■ 44.5772, 64.4618,
90.9830

■ 49.8208, 68.0022,
91.3900

■ 52.8121, 69.7563,
91.5709

■ 56.6200, 71.9320,
91.7902

61.3005, 74.5582,
92.0504

66.9048, 77.6611,
92.3540

73.4797, 81.2651,
92.7031

81.0692, 85.3926,
93.0997

87.3895, 88.8665,
93.4372

Harmonies

Analogous

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



45.4213, 65.6230, 61.7910



46.0277, 65.6230, 91.1295



50.7328, 65.6230, 121.4932

Triad

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



46.0277, 65.6230, 91.1295



78.0110, 65.6230, 113.3674



65.9781, 65.6230, 30.0477

Complementary

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



46.0277, 65.6230, 91.1295



36.9584, 20.7518, 4.7487

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.



75.6693, 65.6230, 37.4738



46.0277, 65.6230, 91.1295



83.0904, 65.6230, 82.0716

Square

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



46.0277, 65.6230, 91.1295



68.9104, 65.6230, 136.5075



82.1906, 65.6230, 54.8334



56.2621, 65.6230, 31.2628

Rectangle

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



46.0277, 65.6230, 91.1295



55.8689, 65.6230, 135.8310



82.1906, 65.6230, 54.8334



69.3626, 65.6230, 31.5171

Sweetspot

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



46.0297, 65.6254, 91.1311



75.5995, 89.3682, 107.8730



32.3281, 61.9867, 13.3011



15.6852, 18.8535, 23.0623



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.



46.0297, 65.6254, 91.1311



52.3245, 75.5795, 106.4383



25.8859, 25.3378, 84.4165



16.2174, 17.8688, 20.3159



24.8820, 35.9882, 50.7629



2.0789, 3.0118, 4.2260

Inverse Universe

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



51.1294, 26.1525, 80.1976



58.5865, 28.3757, 92.7291



46.0054, 38.8459, 7.7644



16.4392, 16.0254, 19.8688



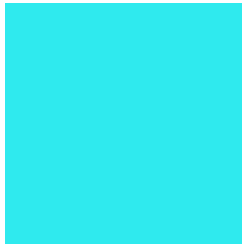
27.8849, 13.4264, 44.1719



2.3243, 1.1188, 3.6985

Previews

White Background



This preview shows how the XYZ color 46.0277, 65.6230, 91.1295 looks on a white background.

Color Contrast Check

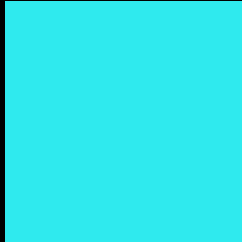
Large Text (above 18pt) WCAG AA × Fail

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 46.0277, 65.6230, 91.1295 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 46.0277, 65.6230, 91.1295

Background



This preview shows how black text looks on a background with the XYZ color 46.0277, 65.6230, 91.1295.

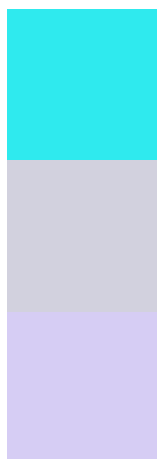


This preview shows how white text looks on a background with the XYZ color 46.0277, 65.6230,

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

46.0277, 65.6230, 91.1295

Protanopia

62.5636, 64.5765, 78.2743

Deuteranopia

65.8920, 64.4904, 94.5630



Tritanopia

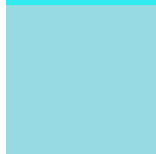
48.0728, 65.6081, 101.3967

Trichromacy



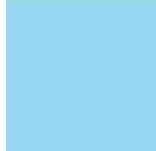
Original Color

46.0277, 65.6230, 91.1295



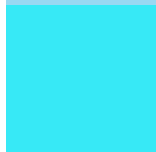
Protanomaly

51.8375, 62.3236, 82.6963



Deuteranomaly

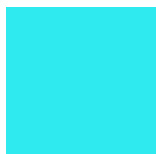
53.7197, 62.2948, 93.1972



Tritanomaly

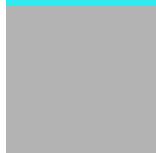
47.3490, 65.7439, 97.3831

Monochromacy



Original Color

46.0277, 65.6230, 91.1295



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

40.2088, 49.8423, 62.1449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0277, 65.6230, 91.1295 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(47, 234, 238)` looks like.

```
.text, #text, p{  
    color:rgb(47, 234, 238)  
}
```

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(47, 234, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 234, 238) }
```

Border

The CSS property to change the border of an element to XYZ 46.0277, 65.6230, 91.1295 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(47, 234, 238) }
```


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

```
.border{ border-color:rgb(47, 234, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 234, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 234, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 234, 238);  
box-shadow:4px 4px 4px 4px rgb(47, 234,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0277, 65.6230, 91.1295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 234, 238) }
```

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

```
.background{ background-color: rgb(47, 234,  
238) }
```

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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