

Converting Colors

XYZ(45.8614, 64.0610, 73.5159)

Have a look what the booklet for
XYZ(45.8614, 64.0610, 73.5159)
contains.

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Color

**XYZ(46.0279, 64.3322,
73.6098)**

Conversions

Conversions Part 1

Format	Color
Hex	67E6D6
RGB	103, 230, 214
RGB Percent	40%, 90%, 84%
CMY	0.5961, 0.0980, 0.1608
CMYK	0.55, 0.00, 0.07, 0.10
HSL	172°, 72%, 65%
HSV	172°, 55%, 90%
XYZ	46.0279, 64.3322, 73.6098
YIQ	190.2030, -70.5560, -31.9000

Conversions

Conversions Part 2

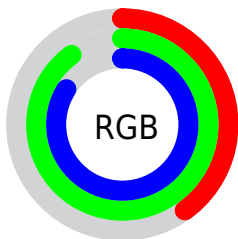
Format	Color
RYB	103, 171, 230
Decimal	6809302
CIELab	84.14, -38.99, -2.88
CIELCh	84, 39.095, 184.223
Yxy	64.3322, 0.2502, 0.3497
Android (android.graphics.Color)	4284999382 (0xFF67E6D6)
YUV	190.2030, 11.7319, -76.4770
Hunter-Lab	80.2074, -37.9286, 1.7321

Details

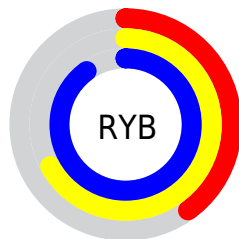
The XYZ color **46.0279, 64.3322, 73.6098** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **40.8153, 27.8572, 20.6807**, and the grayscale version is **49.0258, 51.5790, 56.1695**.

A 20% lighter version of the original color is **69.1198, 86.6325, 107.6865**, and **21.8729, 33.0222, 38.0220** is the 20% darker color. If you saturate the color by 10%, you get **43.3774, 63.0097, 71.5720**, and if you desaturate by 10%, it is **49.4142, 66.0363, 75.7192**.

Distribution



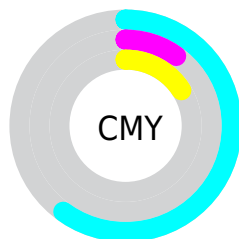
- Red (40%)
- Green (90%)
- Blue (84%)



- Red (40%)
- Yellow (67%)
- Blue (90%)



- Cyan (55%)
- Magenta (0%)
- Yellow (7%)
- Black (10%)





- Cyan (60%)
- Magenta (10%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0279, 64.3322, 73.6098 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 46.0279, 64.3322, 73.6098 by changing the saturation by 10% instead.


 46.0279, 64.3322,
73.6098


 46.0279, 64.3322,
73.6098


361.6349,
440.3883, 492.2529


 32.4726, 46.9198,
53.9799


 83.4884, 111.0892,
126.0714

 21.8800, 32.9722,
38.1925


 108.1242,
141.2026, 159.7403

 13.8849, 22.1052,
25.8291


 137.1842,
176.3185, 198.9258

 8.1218, 13.9342,
16.4712

171.0338,
216.8212, 244.0465

 4.2254, 8.0749,
9.7003

210.0383,
263.0951, 295.5211

 1.8304, 4.1429,
5.0977

254.5631,

 0.5359, 1.7538,

315.5247, 353.7680

2.2450

304.9735,
374.4943, 419.2057

■ 0.0000, 0.4582,
0.7001

■ 0.0000, 0.0000,
0.0000

■ 46.0279, 64.3322,
73.6098

■ 46.0279, 64.3322,
73.6098

■ 43.3774, 63.0097,
71.5720

■ 49.4142, 66.0363,
75.7192

■ 41.3959, 62.0299,
69.5984


■ 53.5848, 68.1424,
77.8985


■ 40.0143, 61.3585,
67.6868


■ 58.5908, 70.6784,
80.1515


■ 39.1451, 60.9506,
65.8331


■ 64.4770, 73.6674,
82.4807


 38.8432, 60.8138,
64.9635

 71.2854, 77.1310,
84.8881

 79.0549, 81.0894,
87.3757

 84.4306, 83.8128,
89.7867

 84.8512, 83.9810,
92.0014

 85.2786, 84.1520,
94.2522

Harmonies

Analogous

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



47.3715, 64.3322, 51.3252



46.0279, 64.3322, 73.6098



48.4111, 64.3322, 100.3614

Triad

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



46.0279, 64.3322, 73.6098



70.9743, 64.3322, 117.2172



68.6593, 64.3322, 35.3415

Complementary

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



46.0279, 64.3322, 73.6098



40.8153, 27.8572, 20.6807

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.



75.9382, 64.3322, 46.5486



46.0279, 64.3322, 73.6098



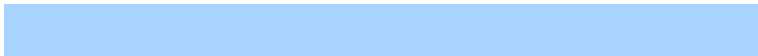
77.3607, 64.3322, 92.8435

Square

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



46.0279, 64.3322, 73.6098



62.3776, 64.3322, 129.0235



79.2571, 64.3322, 66.6007



59.9304, 64.3322, 32.5023

Rectangle

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



46.0279, 64.3322, 73.6098



51.9377, 64.3322, 116.1773



79.2571, 64.3322, 66.6007



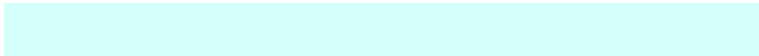
71.3826, 64.3322, 38.1001

Sweetspot

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



46.0298, 64.3347, 73.6113



79.9935, 92.3383, 103.6700



38.4834, 61.5637, 22.6880



16.7899, 19.5955, 22.0615



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.



46.0298, 64.3347, 73.6113



54.4842, 79.4605, 90.1526



36.9014, 42.6450, 81.1521



14.7252, 16.3035, 18.0835



22.0216, 34.4407, 36.9434



1.6493, 2.5538, 2.8458

Inverse Universe

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



40.8153, 27.8572, 20.6807



47.3257, 29.1086, 17.2853



45.9208, 39.4791, 18.0332



14.4505, 14.3974, 15.3069



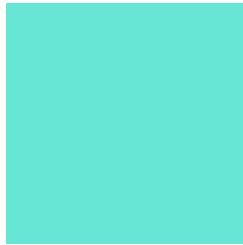
18.6246, 9.5841, 1.6524



1.4004, 0.7179, 0.2493

Previews

White Background



This preview shows how the XYZ color 46.0279, 64.3322, 73.6098 looks on a white background.

Color Contrast Check

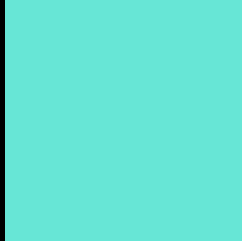
Large Text (above 18pt) WCAG AA × Fail

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 46.0279, 64.3322, 73.6098 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

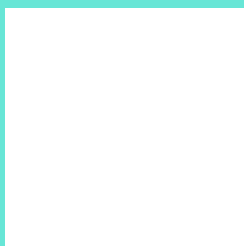
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.0279, 64.3322, 73.6098

Background



This preview shows how black text looks on a background with the XYZ color 46.0279, 64.3322, 73.6098.

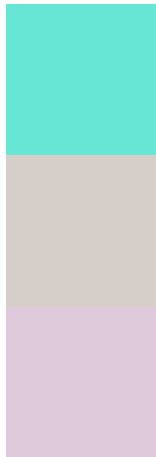


This preview shows how white text looks on a background with the XYZ color 46.0279, 64.3322,

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

46.0279, 64.3322, 73.6098

Protanopia

60.5870, 63.1388, 64.2521

Deuteranopia

64.4702, 63.0963, 76.4910



Tritanopia

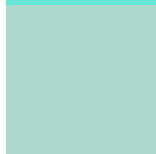
50.4649, 64.5018, 95.3783

Trichromacy



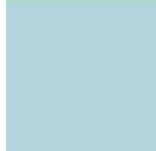
Original Color

46.0279, 64.3322, 73.6098



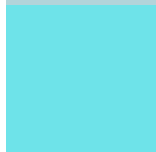
Protanomaly

52.8966, 62.0558, 67.5825



Deuteranomaly

54.7888, 61.7326, 75.3576



Tritanomaly

48.6075, 64.1364, 86.9085

Monochromacy



Original Color

46.0279, 64.3322, 73.6098



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

46.2407, 55.0553, 62.2224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0279, 64.3322, 73.6098 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(103, 230, 214)` looks like.

```
.text, #text, p{  
    color:rgb(103, 230, 214)  
}
```

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(103, 230, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 230, 214) }
```

Border

The CSS property to change the border of an element to XYZ 46.0279, 64.3322, 73.6098 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(103, 230, 214) }
```


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

```
.border{ border-color:rgb(103, 230, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 230, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 230, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 230, 214);  
box-shadow:4px 4px 4px 4px rgb(103, 230,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0279, 64.3322, 73.6098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 230, 214) }
```

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

```
.background{ background-color: rgb(103,  
230, 214) }
```

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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