

Converting Colors

XYZ(46.1933, 59.8886, 70.2546)

Have a look what the booklet for
XYZ(46.1933, 59.8886, 70.2546)
contains.

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Color

**XYZ(46.3244, 60.1415,
70.1397)**

Conversions

Conversions Part 1

Format	Color
Hex	83DBD2
RGB	131, 219, 210
RGB Percent	51%, 86%, 82%
CMY	0.4863, 0.1412, 0.1765
CMYK	0.40, 0.00, 0.04, 0.14
HSL	174°, 55%, 69%
HSV	174°, 40%, 86%
XYZ	46.3244, 60.1415, 70.1397
YIQ	191.6620, -49.5590, -21.4550

Conversions

Conversions Part 2

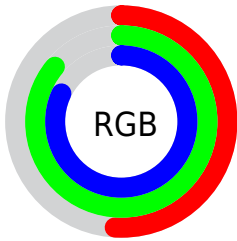
Format	Color
RYB	131, 177, 219
Decimal	8641490
CIELab	81.92, -28.56, -3.91
CIElCh	82, 28.830, 187.794
Yxy	60.1415, 0.2623, 0.3405
Android (android.graphics.Color)	4286831570 (0xFF83DBD2)
YUV	191.6620, 9.0406, -53.2006
Hunter-Lab	77.5510, -29.0887, 0.6618

Details

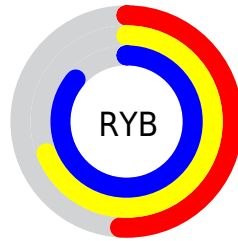
The XYZ color **46.3244, 60.1415, 70.1397** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **42.0653, 33.1877, 29.0018**, and the grayscale version is **49.8770, 52.4745, 57.1447**.

A 20% lighter version of the original color is **74.5490, 89.4314, 107.9406**, and **22.1779, 30.4471, 36.1605** is the 20% darker color. If you saturate the color by 10%, you get **43.0077, 58.4652, 68.5387**, and if you desaturate by 10%, it is **50.3654, 62.1937, 71.7976**.

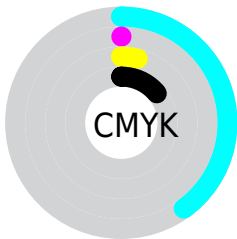
Distribution



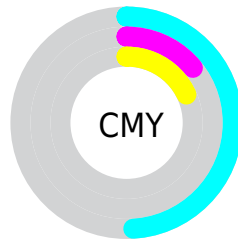
- Red (51%)
- Green (86%)
- Blue (82%)



- Red (51%)
- Yellow (69%)
- Blue (86%)



- Cyan (40%)
- Magenta (0%)
- Yellow (4%)
- Black (14%)





- Cyan (49%)
- Magenta (14%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3244, 60.1415, 70.1397 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 46.3244, 60.1415, 70.1397 by changing the saturation by 10% instead.


 46.3244, 60.1415,
70.1397

 46.3244, 60.1415,
70.1397


362.8054,
425.1191, 479.8427


 32.7076, 43.5327,
51.1629


 83.9292, 105.0349,
121.0909

 22.0607, 30.3033,
35.9607


 108.6479,
134.0883, 153.9025

 14.0184, 20.0689,
24.1144


 137.7979,
168.0587, 192.1627

 8.2152, 12.4451,
15.2055

171.7446,
207.3304, 236.2901

 4.2859, 7.0476,
8.8155

210.8533,
252.2880, 286.7033

 1.8651, 3.4919,
4.5259

255.4895,

 0.5565, 1.3936,

303.3157, 343.8208

1.9180

306.0184,
360.7979, 408.0611

■ 0.0000, 0.2120,
0.5042

■ 0.0000, 0.0000,
0.0000

■ 46.3244, 60.1415,
70.1397

■ 46.3244, 60.1415,
70.1397

■ 43.0077, 58.4652,
68.5387

■ 50.3654, 62.1937,
71.7976

■ 40.3644, 57.1341,
66.9883


■ 55.1670, 64.6361,
73.5102

■ 38.3455, 56.1245,
65.4874


■ 60.7695, 67.4909,
75.2809


■ 36.8931, 55.4064,
64.0331


■ 67.2085, 70.7765,
77.1114


 35.9381, 54.9443,
62.6221


 74.5177, 74.5102,
79.0033

 35.3648, 54.6780,
61.2734

 79.9518, 77.2768,
80.8283

 80.2567, 77.3988,
82.4341

 80.5657, 77.5224,
84.0611

 80.8787, 77.6476,
85.7092

Harmonies

Analogous

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



46.9887, 60.1415, 53.6053



46.3244, 60.1415, 70.1397



48.3965, 60.1415, 88.2701

Triad

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



46.3244, 60.1415, 70.1397



64.6462, 60.1415, 95.7333



61.7052, 60.1415, 39.0754

Complementary

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



46.3244, 60.1415, 70.1397



42.0653, 33.1877, 29.0018

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.



66.9282, 60.1415, 47.0009



46.3244, 60.1415, 70.1397



68.7085, 60.1415, 78.9991

Square

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



46.3244, 60.1415, 70.1397



58.7661, 60.1415, 104.6638



69.5719, 60.1415, 61.0388



55.5888, 60.1415, 37.5517

Rectangle

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



46.3244, 60.1415, 70.1397



51.1439, 60.1415, 98.1702



69.5719, 60.1415, 61.0388



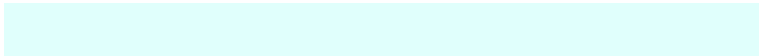
63.6360, 60.1415, 41.0013

Sweetspot

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



46.3261, 60.1439, 70.1411



84.1746, 94.4513, 105.7816



40.4599, 57.9903, 30.5346



17.7859, 20.0988, 22.5706



0.0000, 0.0000, 0.0000



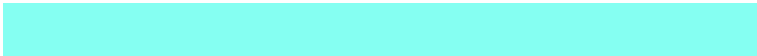
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.3261, 60.1439, 70.1411



61.4688, 82.9137, 97.1460



39.5528, 44.7513, 73.5738



13.3845, 14.8054, 16.4875



20.9925, 32.4296, 36.4555



1.3769, 2.1077, 2.4508

Inverse Universe

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



42.0653, 33.1877, 29.0018



54.6931, 39.9738, 31.6702



46.7192, 43.5148, 27.4106



13.1099, 13.0731, 13.8400



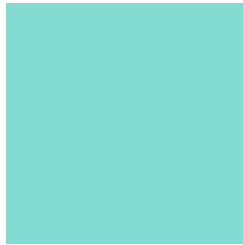
17.4292, 8.9727, 1.3744



1.1479, 0.5888, 0.1880

Previews

White Background



This preview shows how the XYZ color 46.3244, 60.1415, 70.1397 looks on a white background.

Color Contrast Check

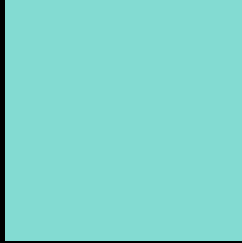
Large Text (above 18pt) WCAG AA × Fail

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 46.3244, 60.1415, 70.1397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

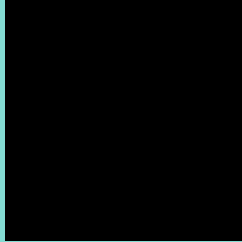
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

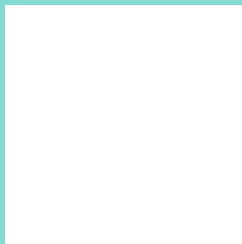
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.3244, 60.1415, 70.1397

Background



This preview shows how black text looks on a background with the XYZ color 46.3244, 60.1415, 70.1397.

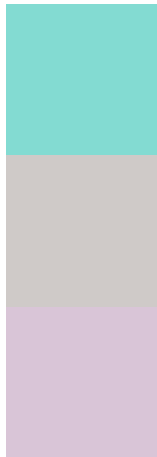


This preview shows how white text looks on a background with the XYZ color 46.3244, 60.1415,

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

46.3244, 60.1415, 70.1397

Protanopia

57.2780, 59.6766, 63.1434

Deuteranopia

60.8473, 59.5905, 72.5851



Tritanopia

49.5804, 60.3133, 86.1193

Trichromacy



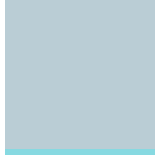
Original Color

46.3244, 60.1415, 70.1397



Protanomaly

52.0454, 59.0551, 65.7824



Deuteranomaly

54.0913, 58.9058, 71.4698



Tritanomaly

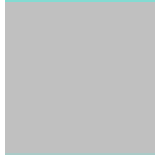
48.3951, 60.2128, 80.3057

Monochromacy



Original Color

46.3244, 60.1415, 70.1397



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

48.0069, 54.9106, 62.1014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3244, 60.1415, 70.1397 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(131, 219, 210)` looks like.

```
.text, #text, p{  
    color:rgb(131, 219, 210)  
}
```

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(131, 219, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 219, 210) }
```

Border

The CSS property to change the border of an element to XYZ 46.3244, 60.1415, 70.1397 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(131, 219, 210) }
```


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

```
.border{ border-color:rgb(131, 219, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 219, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 219, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 219, 210);  
box-shadow:4px 4px 4px 4px rgb(131, 219,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3244, 60.1415, 70.1397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 219, 210) }
```

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

```
.background{ background-color: rgb(131,  
219, 210) }
```

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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