

Converting Colors

XYZ(37.9277, 46.3080, 73.2114)

Have a look what the booklet for
XYZ(37.9277, 46.3080, 73.2114)
contains.

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Color

**XYZ(38.0315, 46.4531,
73.2915)**

Conversions

Conversions Part 1

Format	Color
Hex	6DC1DA
RGB	109, 193, 218
RGB Percent	43%, 76%, 85%
CMY	0.5725, 0.2431, 0.1451
CMYK	0.50, 0.11, 0.00, 0.15
HSL	194°, 60%, 64%
HSV	194°, 50%, 85%
XYZ	38.0315, 46.4531, 73.2915
YIQ	170.7340, -58.0890, -10.0330

Conversions

Conversions Part 2

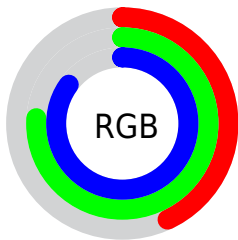
Format	Color
RYB	109, 156, 218
Decimal	7193050
CIELab	73.84, -18.79, -20.38
CIELCh	74, 27.724, 227.329
Yxy	46.4531, 0.2410, 0.2944
Android (android.graphics.Color)	4285383130 (0xFF6DC1DA)
YUV	170.7340, 23.3021, -54.1407
Hunter-Lab	68.1565, -19.6705, -16.0474

Details

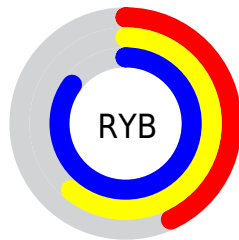
The XYZ color **38.0315, 46.4531, 73.2915** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **40.1998, 33.0608, 18.7319**, and the grayscale version is **38.4843, 40.4885, 44.0920**.

A 20% lighter version of the original color is **68.1720, 83.8067, 107.1910**, and **17.0624, 21.7380, 37.9469** is the 20% darker color. If you saturate the color by 10%, you get **34.5886, 43.0660, 72.8200**, and if you desaturate by 10%, it is **42.1797, 50.2613, 73.8088**.

Distribution



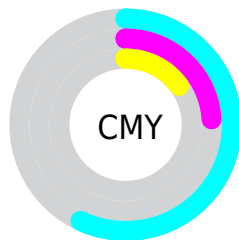
- Red (43%)
- Green (76%)
- Blue (85%)



- Red (43%)
- Yellow (61%)
- Blue (85%)



- Cyan (50%)
- Magenta (11%)
- Yellow (0%)
- Black (15%)



- Cyan (57%)
- Magenta (24%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0315, 46.4531, 73.2915 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 38.0315, 46.4531, 73.2915 by changing the saturation by 10% instead.

■ 38.0315, 46.4531,
73.2915

■ 38.0315, 46.4531,
73.2915

329.0336,
372.6273, 491.1223

■ 26.1845, 32.6035,
53.7211

■ 71.4600, 84.8967,
125.6157

■ 17.0951, 21.8229,
37.9871

■ 93.7722, 110.2595,
159.2065

■ 10.3980, 13.7268,
25.6709

■ 120.3034,
140.2288, 198.3080

■ 5.7279, 7.9309,
16.3540

151.4192,
175.1891, 243.3385

■ 2.7194, 4.0508,
9.6180

187.4847,
215.5247, 294.7166

■ 1.0072, 1.7020,
5.0441

228.8654,

■ 0.0000, 0.4250,

261.6200, 352.8610

2.2140

275.9265,
313.8594, 418.1900

■ 0.0000, 0.0000,
0.6824

■ 0.0000, 0.0000,
0.0000

■ 38.0315, 46.4531,
73.2915

■ 38.0315, 46.4531,
73.2915

■ 34.5886, 43.0660,
72.8200

■ 42.1797, 50.2613,
73.8088

■ 31.7961, 40.0681,
72.3886

■ 47.0741, 54.5091,
74.3707

■ 29.5980, 37.4311,
71.9954

■ 52.7575, 59.2203,
74.9805

■ 27.9260, 35.1191,
71.6373

■ 59.2683, 64.4150,
75.6400

■ 26.6585, 33.0689,
71.3083

■ 66.6420, 70.1122,
76.3511

■ 26.6583, 33.0685,
71.3083

■ 74.9124, 76.3296,
77.1153

■ 81.6389, 81.8098,
77.8185

■ 83.0344, 84.6007,
78.2837

■ 84.4700, 87.4718,
78.7622

Harmonies

Analogous

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



35.7041, 46.4531, 59.1078



38.0315, 46.4531, 73.2915



42.1045, 46.4531, 81.9737

Triad

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



38.0315, 46.4531, 73.2915



54.0658, 46.4531, 56.7741



41.3875, 46.4531, 28.8306

Complementary

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



38.0315, 46.4531, 73.2915



40.1998, 33.0608, 18.7319

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.



46.2654, 46.4531, 28.4398



38.0315, 46.4531, 73.2915



53.8379, 46.4531, 42.9138

Square

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



38.0315, 46.4531, 73.2915



51.4983, 46.4531, 71.3113



50.8969, 46.4531, 33.1233



37.5403, 46.4531, 34.3141

Rectangle

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



38.0315, 46.4531, 73.2915



45.3730, 46.4531, 82.5818



50.8969, 46.4531, 33.1233



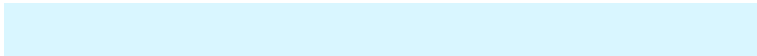
42.9536, 46.4531, 28.1413

Sweetspot

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



38.0330, 46.4549, 73.2926



79.6160, 87.9834, 107.3940



35.5864, 55.0779, 30.8086



16.6250, 18.4987, 22.9443



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.



38.0330, 46.4549, 73.2926



49.0991, 61.1839, 103.8296



28.3239, 27.0367, 70.0562



13.1785, 14.2967, 16.7171



16.0558, 19.9811, 42.7489



1.1032, 1.4206, 2.7905

Inverse Universe

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



44.0089, 29.6943, 53.8660



58.8977, 35.9253, 71.4776



49.4699, 51.6009, 21.8220



13.4800, 13.2211, 15.7887



21.5996, 10.6409, 23.3351



1.4312, 0.7021, 1.6794

Previews

White Background



This preview shows how the XYZ color 38.0315, 46.4531, 73.2915 looks on a white background.

Color Contrast Check

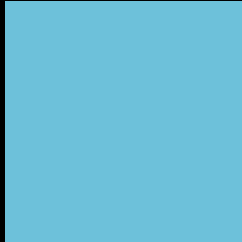
Large Text (above 18pt) WCAG AA × Fail

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 38.0315, 46.4531, 73.2915 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

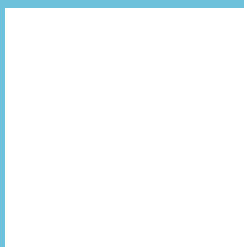
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.0315, 46.4531, 73.2915

Background



This preview shows how black text looks on a background with the XYZ color 38.0315, 46.4531, 73.2915.



This preview shows how white text looks on a background with the XYZ color 38.0315, 46.4531,

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

38.0315, 46.4531, 73.2915

Protanopia

45.3079, 45.9576, 66.8043

Deuteranopia

47.0384, 46.0653, 75.5195



Tritanopia

36.8685, 46.3009, 67.9666

Trichromacy



Original Color

38.0315, 46.4531, 73.2915

Protanomaly

41.7867, 45.6138, 68.8893

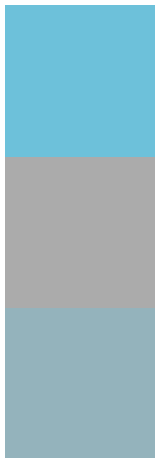
Deuteranomaly

42.9335, 45.7628, 74.9769

Tritanomaly

37.3654, 46.5135, 69.9594

Monochromacy



Original Color

38.0315, 46.4531, 73.2915

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

37.4099, 42.1669, 53.7443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0315, 46.4531, 73.2915 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(109, 193, 218)` looks like.

```
.text, #text, p{  
    color:rgb(109, 193, 218)  
}
```

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(109, 193, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 193, 218) }
```

Border

The CSS property to change the border of an element to XYZ 38.0315, 46.4531, 73.2915 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(109, 193, 218) }
```


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

```
.border{ border-color:rgb(109, 193, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 193, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 193, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 193, 218);  
box-shadow:4px 4px 4px 4px rgb(109, 193,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0315, 46.4531, 73.2915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 193, 218) }
```

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

```
.background{ background-color: rgb(109,  
193, 218) }
```

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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