

Converting Colors

XYZ(38.3573, 45.9534, 73.8685)

Have a look what the booklet for
XYZ(38.3573, 45.9534, 73.8685)
contains.

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Color

**XYZ(38.3564, 45.9535,
73.8661)**

Conversions

Conversions Part 1

Format	Color
Hex	72BFDB
RGB	114, 191, 219
RGB Percent	45%, 75%, 86%
CMY	0.5529, 0.2510, 0.1412
CMYK	0.48, 0.13, 0.00, 0.14
HSL	196°, 59%, 65%
HSV	196°, 48%, 86%
XYZ	38.3564, 45.9535, 73.8661
YIQ	171.1690, -54.8800, -7.6160

Conversions

Conversions Part 2

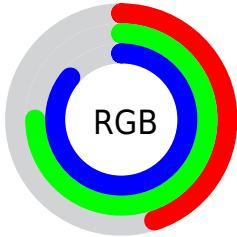
Format	Color
RYB	114, 158, 219
Decimal	7520219
CIELab	73.52, -16.35, -21.40
CIELCh	74, 26.931, 232.614
Yxy	45.9535, 0.2425, 0.2905
Android (android.graphics.Color)	4285710299 (0xFF72BFDB)
YUV	171.1690, 23.5807, -50.1372
Hunter-Lab	67.7890, -17.6318, -17.1529

Details

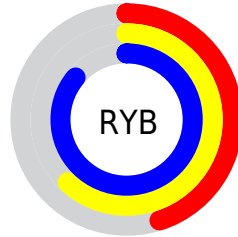
The XYZ color **38.3564, 45.9535, 73.8661** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **41.9247, 35.6220, 20.5870**, and the grayscale version is **38.6998, 40.7152, 44.3389**.

A 20% lighter version of the original color is **68.1054, 82.3995, 106.9229**, and **17.2220, 21.3839, 38.3418** is the 20% darker color. If you saturate the color by 10%, you get **34.5936, 42.1616, 73.3333**, and if you desaturate by 10%, it is **42.8548, 50.2020, 74.4499**.

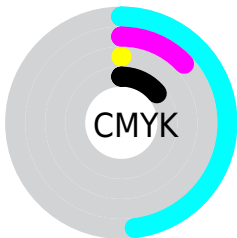
Distribution



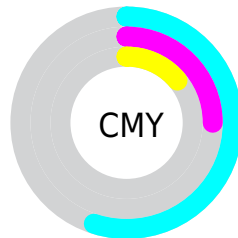
- Red (45%)
- Green (75%)
- Blue (86%)



- Red (45%)
- Yellow (62%)
- Blue (86%)



- Cyan (48%)
- Magenta (13%)
- Yellow (0%)
- Black (14%)



- Cyan (55%)
- Magenta (25%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3564, 45.9535, 73.8661 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 38.3564, 45.9535, 73.8661 by changing the saturation by 10% instead.

■ 38.3564, 45.9535,
73.8661

■ 38.3564, 45.9535,
73.8661

330.4008,
370.6217, 493.1621

■ 26.4379, 32.2091,
54.1883

■ 71.9545, 84.1494,
126.4383

■ 17.2859, 21.5213,
38.3580

■ 94.3647, 109.3697,
160.1697

■ 10.5351, 13.5056,
25.9567

■ 121.0029,
139.1841, 199.4229

■ 5.8201, 7.7776,
16.5658

152.2345,
173.9771, 244.6162

■ 2.7756, 3.9530,
9.7667

188.4247,
214.1329, 296.1682

■ 1.0363, 1.6473,
5.1410

229.9389,

■ 0.0000, 0.3892,

260.0360, 354.4975

2.2700

277.1425,
312.0708, 420.0227

■ 0.0000, 0.0000,
0.7144

■ 0.0000, 0.0000,
0.0000

■ 38.3564, 45.9535,
73.8661

■ 38.3564, 45.9535,
73.8661

■ 34.5936, 42.1616,
73.3333

■ 42.8548, 50.2020,
74.4499

■ 31.5119, 38.7943,
72.8458

■ 48.1296, 54.9260,
75.0837

■ 29.0562, 35.8234,
72.4018

■ 54.2236, 60.1495,
75.7707

■ 27.1597, 33.2135,
71.9980

■ 61.1751, 65.8928,
76.5129

■ 25.7286, 30.9153,
71.6298

■ 69.0199, 72.1755,
77.3121

■ 25.4620, 30.4658,
71.5571

■ 77.7918, 79.0155,
78.1701

■ 82.8497, 84.0212,
78.8697

■ 84.5199, 87.3616,
79.4264

■ 86.2452, 90.8122,
80.0015

Harmonies

Analogous

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



35.7672, 45.9535, 60.7982



38.3564, 45.9535, 73.8661



42.5123, 45.9535, 80.7649

Triad

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



38.3564, 45.9535, 73.8661



53.3895, 45.9535, 53.4786



40.2542, 45.9535, 29.5424

Complementary

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



38.3564, 45.9535, 73.8661



41.9247, 35.6220, 20.5870

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.



44.8636, 45.9535, 28.2959



38.3564, 45.9535, 73.8661



52.6756, 45.9535, 40.6245

Square

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



38.3564, 45.9535, 73.8661



51.3547, 45.9535, 67.6835



49.4691, 45.9535, 31.9759



36.8061, 45.9535, 35.7575

Rectangle

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



38.3564, 45.9535, 73.8661



45.7053, 45.9535, 80.1953



49.4691, 45.9535, 31.9759



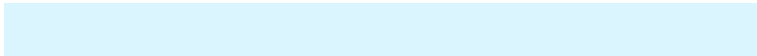
41.7104, 45.9535, 28.5806

Sweetspot

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



38.3579, 45.9552, 73.8672



80.1517, 87.9225, 107.3540



37.0242, 56.1423, 33.7943



16.7118, 18.4493, 22.9302



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.



38.3579, 45.9552, 73.8672



48.5691, 59.2394, 103.4822



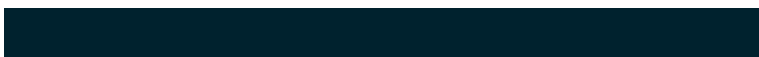
29.1416, 27.5227, 70.7951



13.1359, 14.2115, 16.7029



15.1919, 18.2532, 42.4609



1.0535, 1.3212, 2.7739

Inverse Universe

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



44.6359, 30.8576, 52.8956



58.8462, 36.7315, 68.6573



51.2665, 54.3056, 23.7010



13.4584, 13.2125, 15.6754



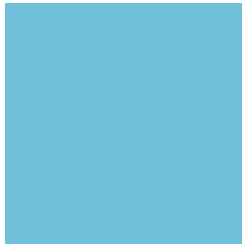
21.1635, 10.4664, 21.0388



1.4061, 0.6921, 1.5473

Previews

White Background



This preview shows how the XYZ color 38.3564, 45.9535, 73.8661 looks on a white background.

Color Contrast Check

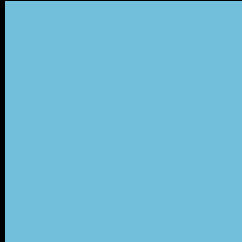
Large Text (above 18pt) WCAG AA × Fail

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 38.3564, 45.9535, 73.8661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

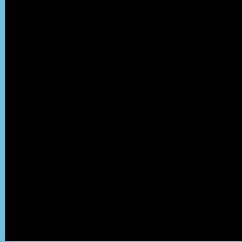
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.3564, 45.9535, 73.8661

Background



This preview shows how black text looks on a background with the XYZ color 38.3564, 45.9535, 73.8661.



This preview shows how white text looks on a background with the XYZ color 38.3564, 45.9535,

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

38.3564, 45.9535, 73.8661

Protanopia

45.0088, 45.4926, 67.3815

Deuteranopia

46.6146, 45.5547, 75.4433



Tritanopia

37.0107, 46.0735, 66.6169

Trichromacy



Original Color

38.3564, 45.9535, 73.8661

Protanomaly

41.8926, 45.3465, 69.4956

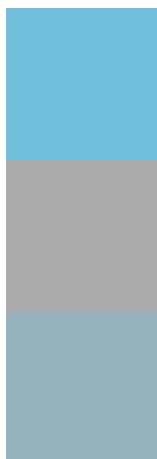
Deuteranomaly

42.7119, 45.0405, 74.8491

Tritanomaly

37.4154, 45.8975, 69.1745

Monochromacy



Original Color

38.3564, 45.9535, 73.8661

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

37.5752, 41.9557, 53.6948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3564, 45.9535, 73.8661 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(114, 191, 219)` looks like.

```
.text, #text, p{  
    color:rgb(114, 191, 219)  
}
```

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(114, 191, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 191, 219) }
```

Border

The CSS property to change the border of an element to XYZ 38.3564, 45.9535, 73.8661 is called "border". The border property can be set on classes, ids or directly on the HTML element.

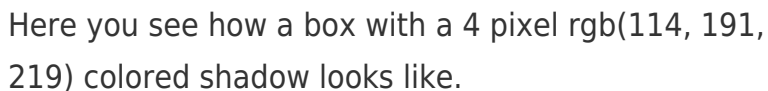
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(114, 191, 219) }
```


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

```
.border{ border-color:rgb(114, 191, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(114, 191, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 191, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 191, 219); box-shadow:4px 4px 4px 4px rgb(114, 191, 219) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3564, 45.9535, 73.8661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 191, 219) }
```

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

```
.background{ background-color: rgb(114,  
191, 219) }
```

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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