

Converting Colors

XYZ(36.5978, 45.1644, 69.1049)

Have a look what the booklet for
XYZ(36.5978, 45.1644, 69.1049)
contains.

XYZ(36.5779, 45.1409, 69.0726)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.5779, 45.1409,
69.0726)**

Conversions

Conversions Part 1

Format	Color
Hex	6BBFD4
RGB	107, 191, 212
RGB Percent	42%, 75%, 83%
CMY	0.5804, 0.2510, 0.1686
CMYK	0.50, 0.10, 0.00, 0.17
HSL	192°, 55%, 63%
HSV	192°, 50%, 83%
XYZ	36.5779, 45.1409, 69.0726
YIQ	168.2780, -56.8050, -11.2770

Conversions

Conversions Part 2

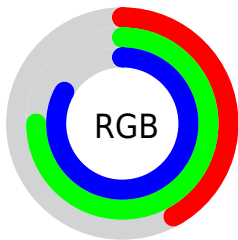
Format	Color
RYB	107, 154, 212
Decimal	7061460
CIELab	72.98, -19.87, -18.43
CIELCh	73, 27.096, 222.848
Yxy	45.1409, 0.2426, 0.2994
Android (android.graphics.Color)	4285251540 (0xFF6BBFD4)
YUV	168.2780, 21.5549, -53.7408
Hunter-Lab	67.1870, -20.3983, -13.9231

Details

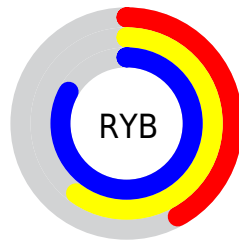
The XYZ color **36.5779, 45.1409, 69.0726** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **37.5254, 30.4980, 17.8202**, and the grayscale version is **37.2747, 39.2159, 42.7061**.

A 20% lighter version of the original color is **66.6206, 81.6340, 106.8534**, and **16.1582, 20.9065, 35.0820** is the 20% darker color. If you saturate the color by 10%, you get **33.4238, 42.1630, 68.6649**, and if you desaturate by 10%, it is **40.3864, 48.4978, 69.5206**.

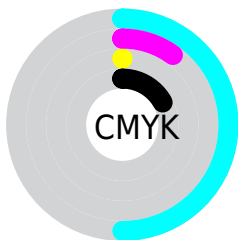
Distribution



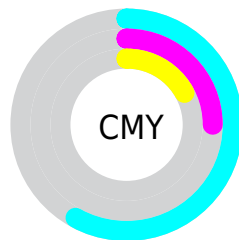
- Red (42%)
- Green (75%)
- Blue (83%)



- Red (42%)
- Yellow (60%)
- Blue (83%)



- Cyan (50%)
- Magenta (10%)
- Yellow (0%)
- Black (17%)



- Cyan (58%)
- Magenta (25%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.5779, 45.1409, 69.0726 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 36.5779, 45.1409, 69.0726 by changing the saturation by 10% instead.

■ 36.5779, 45.1409,
69.0726

■ 36.5779, 45.1409,
69.0726

322.8668,
367.3439, 475.9879

■ 25.0530, 31.5684,
50.2987

■ 69.2412, 82.9318,
119.5539

■ 16.2455, 21.0321,
35.2780

■ 91.1103, 107.9190,
152.0985

■ 9.7900, 13.1474,
23.5918

■ 117.1582,
137.4799, 190.0703

■ 5.3211, 7.5302,
14.8217

147.7502,
171.9990, 233.8880

■ 2.4736, 3.7958,
8.5491

183.2517,
211.8605, 283.9700

■ 0.8819, 1.5600,
4.3555

224.0281,

■ 0.0000, 0.3304,

257.4489, 340.7350

1.8223

270.4447,
309.1486, 404.6014

■ 0.0000, 0.0000,
0.4426

■ 0.0000, 0.0000,
0.0000

■ 36.5779, 45.1409,
69.0726

■ 36.5779, 45.1409,
69.0726

■ 33.4238, 42.1630,
68.6649

■ 40.3864, 48.4978,
69.5206

■ 30.8731, 39.5347,
68.2920

■ 44.8870, 52.2506,
70.0078

■ 28.8741, 37.2297,
67.9524

■ 50.1195, 56.4211,
70.5370

■ 27.3638, 35.2155,
67.6433

■ 56.1195, 61.0280,
71.1100

■ 26.2344, 33.4361,
67.3593

■ 62.9201, 66.0886,
71.7283

■ 26.1843, 33.3545,
67.3462

■ 70.5523, 71.6193,
72.3936

■ 78.8963, 77.5585,
73.1002

■ 80.0278, 79.8215,
73.4774

■ 81.1878, 82.1415,
73.8640

Harmonies

Analogous

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



34.6364, 45.1409, 55.1720



36.5779, 45.1409, 69.0726



40.2791, 45.1409, 78.4693

Triad

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



36.5779, 45.1409, 69.0726



52.1932, 45.1409, 57.2373



40.9147, 45.1409, 27.8823

Complementary

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



36.5779, 45.1409, 69.0726



37.5254, 30.4980, 17.8202

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.



45.6428, 45.1409, 28.2305



36.5779, 45.1409, 69.0726



52.3949, 45.1409, 43.5843

Square

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



36.5779, 45.1409, 69.0726



49.3906, 45.1409, 70.8219



49.9228, 45.1409, 33.4830



37.0137, 45.1409, 32.4239

Rectangle

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



36.5779, 45.1409, 69.0726



43.3585, 45.1409, 80.0174



49.9228, 45.1409, 33.4830



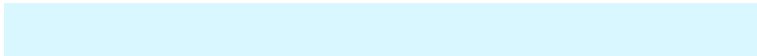
42.4548, 45.1409, 27.4597

Sweetspot

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



36.5793, 45.1426, 69.0737



79.9590, 88.6695, 107.5084



33.3901, 51.7266, 28.0492



16.7082, 18.6651, 22.9721



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.



36.5793, 45.1426, 69.0737



50.7243, 63.9987, 104.2873



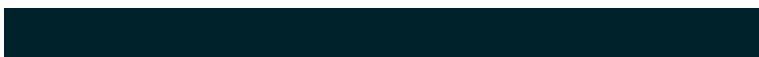
27.3630, 26.7100, 66.0016



12.5714, 13.6663, 15.9128



16.2369, 20.7356, 41.5997



1.0342, 1.3603, 2.5274

Inverse Universe

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



41.8143, 28.2754, 52.5459



59.8244, 36.7031, 75.1023



45.8764, 47.1999, 20.6038



12.8416, 12.5881, 15.1062



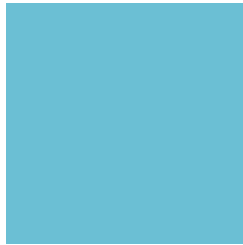
21.2545, 10.4381, 24.4420



1.3096, 0.6406, 1.6200

Previews

White Background



This preview shows how the XYZ color 36.5779, 45.1409, 69.0726 looks on a white background.

Color Contrast Check

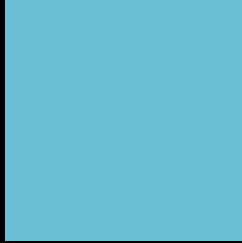
Large Text (above 18pt) WCAG AA × Fail

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 36.5779, 45.1409, 69.0726 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 36.5779, 45.1409, 69.0726

Background



This preview shows how black text looks on a background with the XYZ color 36.5779, 45.1409, 69.0726.



This preview shows how white text looks on a background with the XYZ color 36.5779, 45.1409,

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

36.5779, 45.1409, 69.0726

Protanopia

43.9572, 44.7547, 62.8217

Deuteranopia

45.6622, 44.5771, 71.1633



Tritanopia

35.9378, 45.2075, 65.8633

Trichromacy



Original Color

36.5779, 45.1409, 69.0726

Protanomaly

40.4462, 44.3962, 64.8301

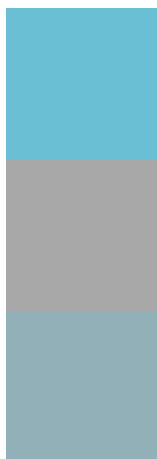
Deuteranomaly

41.5359, 44.2242, 70.6369

Tritanomaly

36.3021, 45.3669, 67.1650

Monochromacy



Original Color

36.5779, 45.1409, 69.0726

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

36.0311, 40.6224, 51.2893

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5779, 45.1409, 69.0726 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(107, 191, 212)` looks like.

```
.text, #text, p{  
    color:rgb(107, 191, 212)  
}
```

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(107, 191, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 191, 212) }
```

Border

The CSS property to change the border of an element to XYZ 36.5779, 45.1409, 69.0726 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(107, 191, 212) }
```


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

```
.border{ border-color:rgb(107, 191, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 191, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 191, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 191, 212);  
box-shadow:4px 4px 4px 4px rgb(107, 191,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5779, 45.1409, 69.0726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 191, 212) }
```

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

```
.background{ background-color: rgb(107,  
191, 212) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor