

Converting Colors

XYZ(36.6619, 46.7429, 72.7980)

Have a look what the booklet for
XYZ(36.6619, 46.7429, 72.7980)
contains.

XYZ(36.6779, 46.7649, 72.7390)	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(36.6779, 46.7649,
72.7390)**

Conversions

Conversions Part 1

Format	Color
Hex	5CC4D9
RGB	92, 196, 217
RGB Percent	36%, 77%, 85%
CMY	0.6392, 0.2314, 0.1490
CMYK	0.58, 0.10, 0.00, 0.15
HSL	190°, 62%, 61%
HSV	190°, 58%, 85%
XYZ	36.6779, 46.7649, 72.7390
YIQ	167.2980, -68.7250, -15.5170

Conversions

Conversions Part 2

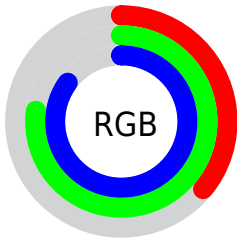
Format	Color
RYB	92, 149, 217
Decimal	6079705
CIELab	74.04, -24.08, -19.60
CIElCh	74, 31.046, 219.140
Yxy	46.7649, 0.2348, 0.2994
Android (android.graphics.Color)	4284269785 (0xFF5CC4D9)
YUV	167.2980, 24.5031, -66.0363
Hunter-Lab	68.3849, -23.9359, -15.1956

Details

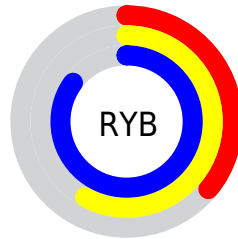
The XYZ color **36.6779, 46.7649, 72.7390** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **36.4532, 27.3359, 13.4816**, and the grayscale version is **36.7855, 38.7012, 42.1456**.

A 20% lighter version of the original color is **66.1242, 84.1460, 107.3644**, and **16.2947, 22.0063, 37.5712** is the 20% darker color. If you saturate the color by 10%, you get **34.0007, 44.1798, 72.3820**, and if you desaturate by 10%, it is **39.9987, 49.7134, 73.1340**.

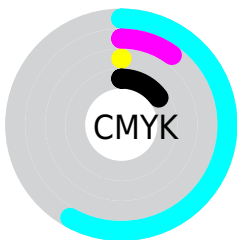
Distribution



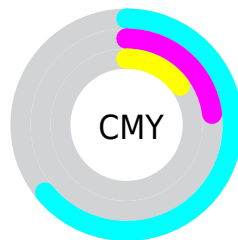
- Red (36%)
- Green (77%)
- Blue (85%)



- Red (36%)
- Yellow (58%)
- Blue (85%)



- Cyan (58%)
- Magenta (10%)
- Yellow (0%)
- Black (15%)



- Cyan (64%)
- Magenta (23%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.6779, 46.7649, 72.7390 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 36.6779, 46.7649, 72.7390 by changing the saturation by 10% instead.

36.6779, 46.7649,
72.7390

36.6779, 46.7649,
72.7390

323.2937,
373.8753, 489.1562

25.1307, 32.8498,
53.2721

69.3942, 85.3626,
124.8241

16.3037, 22.0114,
37.6308

91.2940, 110.8140,
158.2793

9.8315, 13.8653,
25.3966

117.3754,
140.8797, 197.2344

5.3488, 8.0270,
16.1511

148.0037,
175.9439, 242.1078

2.4902, 4.1123,
9.4756

183.5444,
216.3913, 293.3182

0.8903, 1.7366,
4.9517

224.3627,

0.0000, 0.4472,

262.6060, 351.2840

2.1607

270.8240,
314.9726, 416.4239

■ 0.0000, 0.0000,
0.6515

■ 0.0000, 0.0000,
0.0000

■ 36.6779, 46.7649,
72.7390

■ 36.6779, 46.7649,
72.7390

■ 34.0007, 44.1798,
72.3820

■ 39.9987, 49.7134,
73.1340

■ 31.9080, 41.9245,
72.0570

■ 44.0071, 53.0453,
73.5658

■ 30.3370, 39.9674,
71.7620

■ 48.7480, 56.7849,
74.0377

■ 29.1994, 38.2627,
71.4929

■ 54.2615, 60.9529,
74.5517

■ 28.9564, 37.8736,
71.4306

■ 60.5843, 65.5688,
75.1094

■ 67.7512, 70.6504,
75.7125

■ 75.7947, 76.2147,
76.3626

■ 80.7348, 80.2103,
76.8734

■ 81.7319, 82.2044,
77.2058

Harmonies

Analogous

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



34.7269, 46.7649, 55.9274



36.6779, 46.7649, 72.7390



40.7574, 46.7649, 85.1333

Triad

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



36.6779, 46.7649, 72.7390



55.1801, 46.7649, 62.5905



42.7757, 46.7649, 26.3207

Complementary

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



36.6779, 46.7649, 72.7390



36.4532, 27.3359, 13.4816

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.



48.3563, 46.7649, 27.3745



36.6779, 46.7649, 72.7390



55.8339, 46.7649, 46.2190

Square

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



36.6779, 46.7649, 72.7390



51.5275, 46.7649, 78.4789



53.2460, 46.7649, 33.9675



38.0497, 46.7649, 30.7098

Rectangle

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



36.6779, 46.7649, 72.7390



44.2887, 46.7649, 87.9805



53.2460, 46.7649, 33.9675



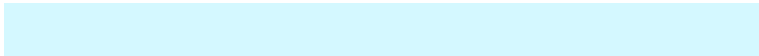
44.6090, 46.7649, 26.0739

Sweetspot

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



36.6794, 46.7667, 72.7401



78.5812, 88.1263, 107.4762



32.1989, 53.0906, 24.1256



16.4527, 18.5898, 22.9710



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.



36.6794, 46.7667, 72.7401



48.3234, 62.9741, 104.2160



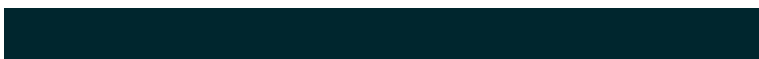
25.4185, 24.2448, 68.9865



13.2490, 14.4378, 16.7406



17.5958, 23.0611, 43.2622



1.1904, 1.5948, 2.8195

Inverse Universe

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



42.4074, 26.3929, 55.0856



57.6906, 32.3196, 74.7483



45.9431, 46.3156, 16.6449



13.5156, 13.2353, 15.9762



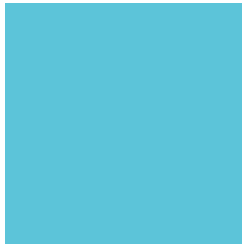
22.3769, 10.9518, 27.4285



1.4751, 0.7197, 1.9109

Previews

White Background



This preview shows how the XYZ color 36.6779, 46.7649, 72.7390 looks on a white background.

Color Contrast Check

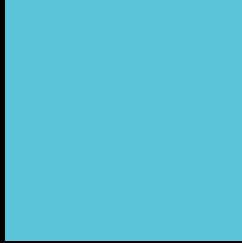
Large Text (above 18pt) WCAG AA × Fail

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 36.6779, 46.7649, 72.7390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

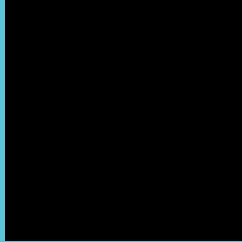
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.6779, 46.7649, 72.7390

Background



This preview shows how black text looks on a background with the XYZ color 36.6779, 46.7649, 72.7390.



This preview shows how white text looks on a background with the XYZ color 36.6779, 46.7649,

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

36.6779, 46.7649, 72.7390

Protanopia

45.3921, 46.0435, 64.8874

Deuteranopia

47.1334, 46.1297, 74.8263



Tritanopia

36.1929, 46.9103, 70.0978

Trichromacy



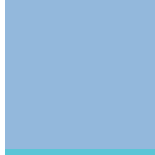
Original Color

36.6779, 46.7649, 72.7390



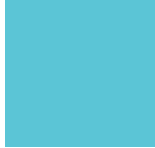
Protanomaly

40.8359, 45.4621, 67.5955



Deuteranomaly

42.0914, 45.6513, 74.3033



Tritanomaly

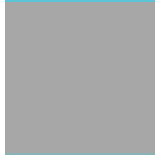
36.4182, 47.0117, 70.7730

Monochromacy



Original Color

36.6779, 46.7649, 72.7390



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

35.4926, 40.9190, 51.9264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6779, 46.7649, 72.7390 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(92, 196, 217)` looks like.

```
.text, #text, p{  
    color:rgb(92, 196, 217)  
}
```

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(92, 196, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 196, 217) }
```

Border

The CSS property to change the border of an element to XYZ 36.6779, 46.7649, 72.7390 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(92, 196, 217) }
```


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

```
.border{ border-color:rgb(92, 196, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 196, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 196, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 196, 217);  
box-shadow:4px 4px 4px 4px rgb(92, 196,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6779, 46.7649, 72.7390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 196, 217) }
```

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

```
.background{ background-color: rgb(92, 196,  
217) }
```

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