

Converting Colors

XYZ(35.6762, 40.0219, 70.1346)

Have a look what the booklet for
XYZ(35.6762, 40.0219, 70.1346)
contains.

XYZ(35.6762, 40.0219, 70.1346)	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(35.6762, 40.0219,
70.1346)**

Conversions

Conversions Part 1

Format	Color
Hex	79B0D7
RGB	121, 176, 215
RGB Percent	47%, 69%, 84%
CMY	0.5255, 0.3098, 0.1569
CMYK	0.44, 0.18, 0.00, 0.16
HSL	205°, 54%, 66%
HSV	205°, 44%, 84%
XYZ	35.6762, 40.0219, 70.1346
YIQ	164.0010, -45.2990, 0.4690

Conversions

Conversions Part 2

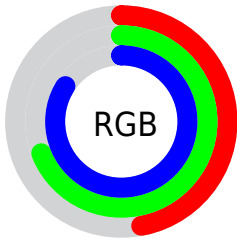
Format	Color
RYB	121, 156, 215
Decimal	7975127
CIELab	69.49, -7.79, -25.34
CIELCh	69, 26.508, 252.899
Yxy	40.0219, 0.2446, 0.2744
Android (android.graphics.Color)	4286165207 (0xFF79B0D7)
YUV	164.0010, 25.1425, -37.7119
Hunter-Lab	63.2629, -10.0475, -21.4462

Details

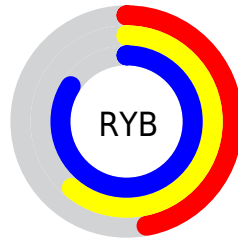
The XYZ color **35.6762, 40.0219, 70.1346** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **44.0472, 40.9701, 23.6769**, and the grayscale version is **35.1878, 37.0203, 40.3151**.

A 20% lighter version of the original color is **65.0381, 74.2803, 105.5174**, and **15.7328, 18.0772, 35.9177** is the 20% darker color. If you saturate the color by 10%, you get **31.3006, 35.2553, 69.4459**, and if you desaturate by 10%, it is **40.8408, 45.3676, 70.8949**.

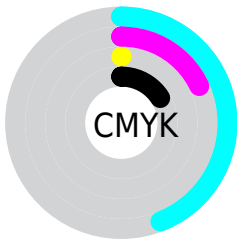
Distribution



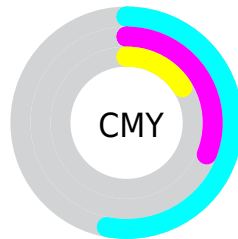
- Red (47%)
- Green (69%)
- Blue (84%)



- Red (47%)
- Yellow (61%)
- Blue (84%)



- Cyan (44%)
- Magenta (18%)
- Yellow (0%)
- Black (16%)



- Cyan (53%)
- Magenta (31%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6762, 40.0219, 70.1346 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 35.6762, 40.0219, 70.1346 by changing the saturation by 10% instead.

■ 35.6762, 40.0219,
70.1346

■ 35.6762, 40.0219,
70.1346

318.9990,
346.2159, 479.8244

■ 24.3532, 27.5556,
51.1588

■ 67.8591, 75.1969,
121.0836

■ 15.7220, 17.9909,
35.9574

■ 89.4498, 98.6743,
153.8939

■ 9.4172, 10.9435,
24.1119

■ 115.1936,
126.5910, 192.1527

■ 5.0736, 6.0288,
15.2037

145.4561,
159.3312, 236.2787

■ 2.3257, 2.8626,
8.8142

180.6025,
197.2794, 286.6903

■ 0.8078, 1.0604,
4.5251

220.9982,

■ 0.0000, 0.0000,

240.8200, 343.8060

1.9176

267.0086,
290.3374, 408.0446

■ 0.0000, 0.0000,
0.5039

■ 0.0000, 0.0000,
0.0000

■ 35.6762, 40.0219,
70.1346

■ 35.6762, 40.0219,
70.1346

■ 31.3006, 35.2553,
69.4459

■ 40.8408, 45.3676,
70.8949

■ 27.6627, 31.0355,
68.8231

■ 46.8335, 51.3131,
71.7267

■ 24.7109, 27.3335,
68.2641

■ 53.6954, 57.8836,
72.6333

■ 22.3844, 24.1143,
67.7654

■ 61.4636, 65.1012,
73.6170

■ 20.6098, 21.3367,
67.3228

■ 70.1729, 72.9867,
74.6800

■ 19.7012, 19.7770,
67.0696

■ 79.8562, 81.5600,
75.8244

■ 84.2097, 87.5740,
76.7558

■ 86.8780, 92.9105,
77.6452

■ 89.2659, 97.6863,
78.4412

Harmonies

Analogous

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



32.3368, 40.0219, 61.6218



35.6762, 40.0219, 70.1346



39.9020, 40.0219, 70.7491

Triad

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



35.6762, 40.0219, 70.1346



46.6166, 40.0219, 38.5361



32.7203, 40.0219, 28.5226

Complementary

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



35.6762, 40.0219, 70.1346



44.0472, 40.9701, 23.6769

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.



36.2361, 40.0219, 24.4412



35.6762, 40.0219, 70.1346



44.3763, 40.0219, 29.4513

Square

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



35.6762, 40.0219, 70.1346



46.4385, 40.0219, 50.8630



40.5052, 40.0219, 24.7458



30.7199, 40.0219, 37.0224

Rectangle

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



35.6762, 40.0219, 70.1346



42.6755, 40.0219, 66.4500



40.5052, 40.0219, 24.7458



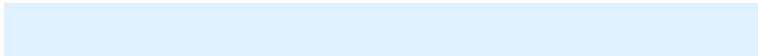
33.7523, 40.0219, 26.6665

Sweetspot

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



35.6775, 40.0234, 70.1355



79.6566, 85.7826, 106.9671



38.4100, 55.1561, 41.2422



16.5400, 17.8797, 22.8293



0.0000, 0.0000, 0.0000



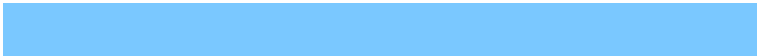
20.3446, 21.4041, 23.3091

Same Dimension

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



35.6775, 40.0234, 70.1355



46.7839, 52.6890, 102.3120



28.1880, 25.0445, 67.6391



12.3403, 13.2040, 15.8357



11.8904, 12.0425, 40.1509



0.7980, 0.8880, 2.4486

Inverse Universe

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



42.6993, 31.2576, 44.8587



58.6725, 39.4470, 59.1567



53.4515, 59.7787, 26.8117



12.7250, 12.5415, 14.4918



19.0606, 9.5605, 12.8889



1.1904, 0.5930, 0.9922

Previews

White Background



This preview shows how the XYZ color 35.6762, 40.0219, 70.1346 looks on a white background.

Color Contrast Check

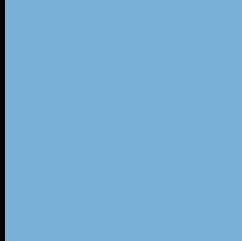
Large Text (above 18pt) WCAG AA × Fail

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 35.6762, 40.0219, 70.1346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

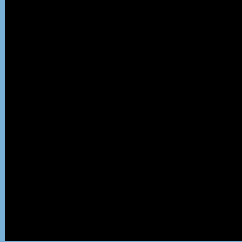
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.6762, 40.0219, 70.1346

Background



This preview shows how black text looks on a background with the XYZ color 35.6762, 40.0219, 70.1346.



This preview shows how white text looks on a background with the XYZ color 35.6762, 40.0219,

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

35.6762, 40.0219, 70.1346

Protanopia

39.6254, 39.6118, 65.8790

Deuteranopia

40.6578, 39.7558, 71.1764



Tritanopia

33.1291, 40.1824, 57.0488

Trichromacy



Original Color

35.6762, 40.0219, 70.1346

Protanomaly

37.8097, 39.4723, 67.2542

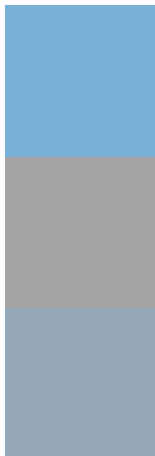
Deuteranomaly

38.6235, 39.8183, 70.6158

Tritanomaly

34.1169, 40.2864, 61.8550

Monochromacy



Original Color

35.6762, 40.0219, 70.1346

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.7626, 37.7201, 50.2483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6762, 40.0219, 70.1346 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(121, 176, 215)` looks like.

```
.text, #text, p{  
    color:rgb(121, 176, 215)  
}
```

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(121, 176, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 176, 215) }
```

Border

The CSS property to change the border of an element to XYZ 35.6762, 40.0219, 70.1346 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(121, 176, 215) }
```


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

```
.border{ border-color:rgb(121, 176, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 176, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 176, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 176, 215);  
box-shadow:4px 4px 4px 4px rgb(121, 176,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6762, 40.0219, 70.1346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 176, 215) }
```

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

```
.background{ background-color: rgb(121,  
176, 215) }
```

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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