

Converting Colors

XYZ(36.0852, 39.0795, 71.1174)

Have a look what the booklet for
XYZ(36.0852, 39.0795, 71.1174)
contains.

XYZ(36.1790, 39.1040, 71.2866)	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(36.1790, 39.1040,
71.2866)**

Conversions

Conversions Part 1

Format	Color
Hex	80ACD9
RGB	128, 172, 217
RGB Percent	50%, 67%, 85%
CMY	0.4980, 0.3255, 0.1490
CMYK	0.41, 0.21, 0.00, 0.15
HSL	210°, 54%, 68%
HSV	210°, 41%, 85%
XYZ	36.1790, 39.1040, 71.2866
YIQ	163.9740, -40.6690, 4.6670

Conversions

Conversions Part 2

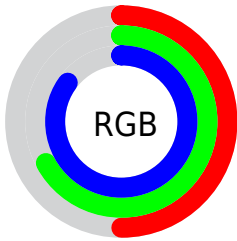
Format	Color
RYB	128, 157, 217
Decimal	8432857
CIELab	68.83, -3.27, -27.41
CIELCh	69, 27.607, 263.198
Yxy	39.1040, 0.2468, 0.2668
Android (android.graphics.Color)	4286622937 (0xFF80ACD9)
YUV	163.9740, 26.1418, -31.5492
Hunter-Lab	62.5332, -6.1607, -23.8162

Details

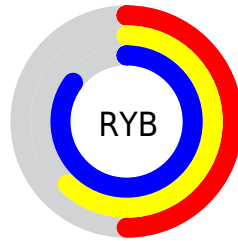
The XYZ color **36.1790, 39.1040, 71.2866** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **47.4561, 46.1984, 26.8394**, and the grayscale version is **35.1688, 37.0003, 40.2933**.

A 20% lighter version of the original color is **65.2862, 72.3485, 105.1314**, and **16.0621, 17.4974, 36.7132** is the 20% darker color. If you saturate the color by 10%, you get **31.2549, 33.5932, 70.4832**, and if you desaturate by 10%, it is **41.9761, 45.3224, 72.1820**.

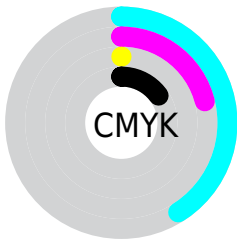
Distribution



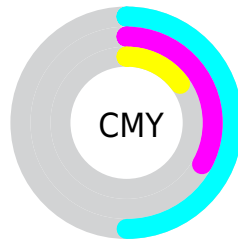
- Red (50%)
- Green (67%)
- Blue (85%)



- Red (50%)
- Yellow (62%)
- Blue (85%)



- Cyan (41%)
- Magenta (21%)
- Yellow (0%)
- Black (15%)



- Cyan (50%)
- Magenta (33%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.1790, 39.1040, 71.2866 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 36.1790, 39.1040, 71.2866 by changing the saturation by 10% instead.

■ 36.1790, 39.1040,
71.2866

■ 36.1790, 39.1040,
71.2866

321.1599,
342.3324, 483.9653

■ 24.7432, 26.8406,
52.0928

■ 68.6303, 73.7972,
122.7400

■ 16.0136, 17.4536,
36.6963

■ 90.3766, 96.9958,
155.8367

■ 9.6247, 10.5584,
24.6785

■ 116.2904,
124.6082, 194.4048

■ 5.2112, 5.7707,
15.6209

146.7371,
157.0190, 238.8629

■ 2.4077, 2.7062,
9.1048

182.0820,
194.6124, 289.6294

■ 0.8490, 0.9803,
4.7119

222.6905,

■ 0.0000, 0.0000,

237.7728, 347.1230

2.0235

268.9280,
286.8847, 411.7621

■ 0.0000, 0.0000,
0.5696

■ 0.0000, 0.0000,
0.0000

■ 36.1790, 39.1040,
71.2866

■ 36.1790, 39.1040,
71.2866

■ 31.2549, 33.5932,
70.4832

■ 41.9761, 45.3224,
72.1820

■ 27.1508, 28.7542,
69.7654

■ 48.6872, 52.2730,
73.1699

■ 23.8136, 24.5540,
69.1306

■ 56.3553, 59.9846,
74.2543

■ 21.1814, 20.9539,
68.5745

■ 65.0192, 68.4828,
75.4379

■ 19.1811, 17.9095,
68.0922

■ 74.7157, 77.7920,
76.7237

■ 17.8117, 15.5842,
67.7156

■ 84.2908, 87.3223,
78.0586

■ 87.5802, 93.9012,
79.1551

■ 89.5245, 97.7898,
79.8032

Harmonies

Analogous

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



32.3486, 39.1040, 64.9486



36.1790, 39.1040, 71.2866



40.5831, 39.1040, 68.8065

Triad

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



36.1790, 39.1040, 71.2866



45.4548, 39.1040, 33.7686



30.8254, 39.1040, 29.7057

Complementary

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



36.1790, 39.1040, 71.2866



47.4561, 46.1984, 26.8394

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.



33.9485, 39.1040, 24.0387



36.1790, 39.1040, 71.2866



42.4420, 39.1040, 26.0426

Square

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



36.1790, 39.1040, 71.2866



46.1692, 39.1040, 45.4974



38.1732, 39.1040, 22.8434



29.4187, 39.1040, 39.7854

Rectangle

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



36.1790, 39.1040, 71.2866



43.2331, 39.1040, 62.6838



38.1732, 39.1040, 22.8434



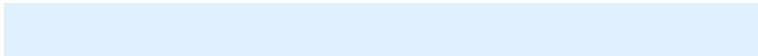
31.6970, 39.1040, 27.3087

Sweetspot

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



36.1803, 39.1055, 71.2875



79.9360, 85.1741, 106.8349



41.2106, 57.2136, 48.1545



16.7849, 17.9069, 22.8217



0.0000, 0.0000, 0.0000



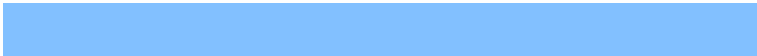
20.3446, 21.4041, 23.3091

Same Dimension

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



36.1803, 39.1055, 71.2875



46.0745, 49.5917, 101.7515



29.1469, 25.0387, 68.9431



12.8677, 13.6751, 16.6135



10.8876, 9.6447, 41.0262



0.7915, 0.7971, 2.6866

Inverse Universe

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



43.7819, 33.1699, 43.1261



58.7242, 41.0365, 54.5926



57.3252, 65.9367, 30.1291



13.3231, 13.1583, 14.9625



18.9909, 9.5974, 9.5980



1.2738, 0.6392, 0.8508

Previews

White Background



This preview shows how the XYZ color 36.1790, 39.1040, 71.2866 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 36.1790, 39.1040, 71.2866 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

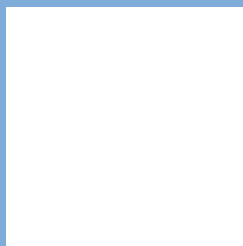
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.1790, 39.1040, 71.2866

Background



This preview shows how black text looks on a background with the XYZ color 36.1790, 39.1040, 71.2866.



This preview shows how white text looks on a background with the XYZ color 36.1790, 39.1040,

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

36.1790, 39.1040, 71.2866

Protanopia

39.2302, 39.0938, 67.7656

Deuteranopia

39.9516, 39.0927, 72.4578



Tritanopia

33.0113, 39.2708, 55.1304

Trichromacy



Original Color

36.1790, 39.1040, 71.2866

Protanomaly

37.9943, 38.9713, 69.1380

Deuteranomaly

38.5116, 39.1782, 71.8620

Tritanomaly

34.0675, 39.1152, 60.3980

Monochromacy



Original Color

36.1790, 39.1040, 71.2866

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

35.1285, 37.6356, 50.2127

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1790, 39.1040, 71.2866 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(128, 172, 217)` looks like.

```
.text, #text, p{  
    color:rgb(128, 172, 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(128, 172, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 172, 217) }
```

Border

The CSS property to change the border of an element to XYZ 36.1790, 39.1040, 71.2866 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(128, 172, 217) }
```


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

```
.border{ border-color:rgb(128, 172, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 172, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 172, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 172, 217);  
box-shadow:4px 4px 4px 4px rgb(128, 172,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1790, 39.1040, 71.2866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 172, 217) }
```

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

```
.background{ background-color: rgb(128,  
172, 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](#).

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