

Converting Colors

XYZ(37.7034, 47.0484, 68.7221)

Have a look what the booklet for
XYZ(37.7034, 47.0484, 68.7221)
contains.

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Color

**XYZ(37.7034, 47.0484,
68.7221)**

Conversions

Conversions Part 1

Format	Color
Hex	6EC3D3
RGB	110, 195, 211
RGB Percent	43%, 76%, 83%
CMY	0.5686, 0.2353, 0.1725
CMYK	0.48, 0.08, 0.00, 0.17
HSL	190°, 53%, 63%
HSV	190°, 48%, 83%
XYZ	37.7034, 47.0484, 68.7221
YIQ	171.4090, -55.7960, -13.0440

Conversions

Conversions Part 2

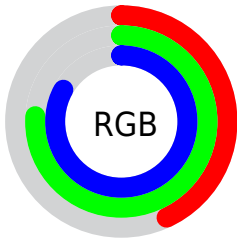
Format	Color
R _{YB}	110, 156, 211
Decimal	7259091
CIE Lab	74.22, -21.50, -16.00
CIE LCh	74, 26.803, 216.662
Yxy	47.0484, 0.2457, 0.3066
Android (android.graphics.Color)	4285449171 (0xFF6EC3D3)
YUV	171.4090, 19.5184, -53.8557
Hunter-Lab	68.5918, -21.9183, -11.3883

Details

The XYZ color **37.7034, 47.0484, 68.7221** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **37.1402, 29.8973, 18.5664**, and the grayscale version is **38.8406, 40.8633, 44.5002**.

A 20% lighter version of the original color is **68.7968, 85.0563, 107.3993**, and **16.8410, 22.1282, 34.8360** is the 20% darker color. If you saturate the color by 10%, you get **34.6440, 44.3729, 68.3678**, and if you desaturate by 10%, it is **41.4075, 50.0832, 69.1135**.

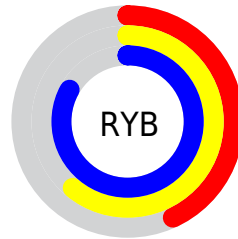
Distribution



Red (43%)

Green (76%)

Blue (83%)



Red (43%)

Yellow (61%)

Blue (83%)

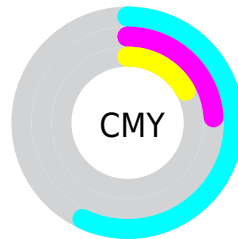


Cyan (48%)

Magenta (8%)

Yellow (0%)

Black (17%)



Cyan (57%)

Magenta (24%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7034, 47.0484, 68.7221 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 37.7034, 47.0484, 68.7221 by changing the saturation by 10% instead.

■ 37.7034, 47.0484,
68.7221

■ 37.7034, 47.0484,
68.7221

327.6488,
375.0077, 474.7176

■ 25.9287, 33.0739,
50.0151

■ 70.9601, 85.7859,
119.0485

■ 16.9027, 22.1831,
35.0541

■ 93.1729, 111.3176,
151.5050

■ 10.2600, 13.9915,
23.4207

■ 119.5958,
141.4706, 189.3817

■ 5.6353, 8.1147,
14.6962

150.5941,
176.6292, 233.0972

■ 2.6632, 4.1685,
8.4622

186.5332,
217.1778, 283.0700

■ 0.9782, 1.7682,
4.3001

227.7784,

■ 0.0000, 0.4673,

263.5009, 339.7186

1.7914

274.6952,
315.9827, 403.4616

■ 0.0000, 0.0000,
0.4223

■ 0.0000, 0.0000,
0.0000

■ 37.7034, 47.0484,
68.7221

■ 37.7034, 47.0484,
68.7221

■ 34.6440, 44.3729,
68.3678

■ 41.4075, 50.0832,
69.1135

■ 32.1797, 42.0279,
68.0450


■ 45.7927, 53.4931,
69.5405


■ 30.2608, 39.9886,
67.7525

■ 50.8977, 57.2993,
70.0062


■ 28.8271, 38.2239,
67.4875


■ 56.7571, 61.5198,
70.5120

 27.7930, 36.6894,
67.2458


 63.4032, 66.1713,
71.0595

 27.5947, 36.3765,
67.1959

 70.8664, 71.2698,
71.6503

 78.1731, 76.3134,
72.2387

 79.0507, 78.0686,
72.5312

 79.9459, 79.8590,
72.8296

Harmonies

Analogous

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



36.1485, 47.0484, 54.3618



37.7034, 47.0484, 68.7221



41.1542, 47.0484, 79.5921

Triad

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



37.7034, 47.0484, 68.7221



53.7567, 47.0484, 62.4506



43.6539, 47.0484, 29.1701

Complementary

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



37.7034, 47.0484, 68.7221



37.1402, 29.8973, 18.5664

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.



48.4820, 47.0484, 30.5571



37.7034, 47.0484, 68.7221



54.5452, 47.0484, 48.2165

Square

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



37.7034, 47.0484, 68.7221



50.4694, 47.0484, 75.5415



52.5530, 47.0484, 36.9869



39.4212, 47.0484, 32.7862

Rectangle

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



37.7034, 47.0484, 68.7221



44.1819, 47.0484, 82.4722



52.5530, 47.0484, 36.9869



45.2586, 47.0484, 29.0782

Sweetspot

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



37.7049, 47.0502, 68.7232



81.3362, 90.2915, 107.7489



33.4371, 51.3891, 27.6104



17.0025, 19.0309, 23.0271



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.



37.7049, 47.0502, 68.7232



53.2869, 68.2126, 104.9656



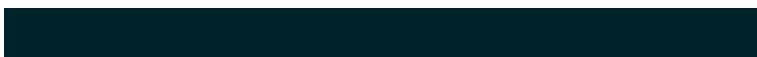
28.3685, 28.3775, 65.6111



11.9923, 13.0748, 15.1353



16.7156, 22.0777, 40.5729



0.9785, 1.3221, 2.2832

Inverse Universe

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



42.2915, 28.9422, 54.9891



61.3404, 38.1613, 80.4593



45.1363, 45.8895, 21.2317



12.2270, 11.9755, 14.4711



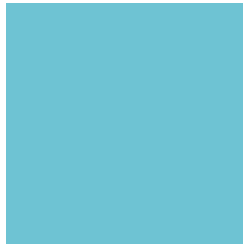
21.0680, 10.3000, 26.3279



1.2001, 0.5848, 1.5886

Previews

White Background



This preview shows how the XYZ color 37.7034, 47.0484, 68.7221 looks on a white background.

Color Contrast Check

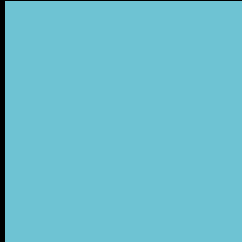
Large Text (above 18pt) WCAG AA × Fail

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 37.7034, 47.0484, 68.7221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

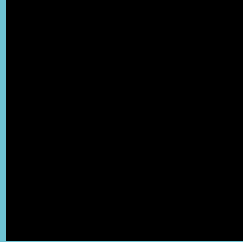
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.7034, 47.0484, 68.7221

Background



This preview shows how black text looks on a background with the XYZ color 37.7034, 47.0484, 68.7221.



This preview shows how white text looks on a background with the XYZ color 37.7034, 47.0484,

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

37.7034, 47.0484, 68.7221

Protanopia

45.4543, 46.4433, 61.8271

Deuteranopia

47.5163, 46.4179, 70.7451



Tritanopia

37.7034, 47.0484, 68.7221

Trichromacy



Original Color

37.7034, 47.0484, 68.7221

Protanomaly

41.6948, 45.9757, 64.4343

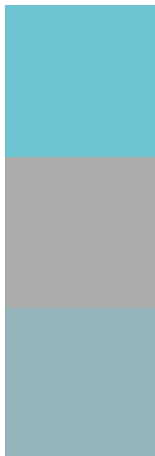
Deuteranomaly

42.9884, 46.2039, 70.2709

Tritanomaly

37.7034, 47.0484, 68.7221

Monochromacy



Original Color

37.7034, 47.0484, 68.7221

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

37.5786, 42.5772, 52.6920

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7034, 47.0484, 68.7221 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(110, 195, 211)` looks like.

```
.text, #text, p{  
    color:rgb(110, 195, 211)  
}
```

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(110, 195, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 195, 211) }
```

Border

The CSS property to change the border of an element to XYZ 37.7034, 47.0484, 68.7221 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(110, 195, 211) }
```


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

```
.border{ border-color:rgb(110, 195, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 195, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 195, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 195, 211);  
box-shadow:4px 4px 4px 4px rgb(110, 195,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7034, 47.0484, 68.7221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 195, 211) }
```

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

```
.background{ background-color: rgb(110,  
195, 211) }
```

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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