

Converting Colors

XYZ(38.8956, 48.0595, 72.4935)

Have a look what the booklet for
XYZ(38.8956, 48.0595, 72.4935)
contains.

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Color

**XYZ(38.6901, 47.8172,
72.1562)**

Conversions

Conversions Part 1

Format	Color
Hex	6FC4D8
RGB	111, 196, 216
RGB Percent	44%, 77%, 85%
CMY	0.5647, 0.2314, 0.1529
CMYK	0.49, 0.09, 0.00, 0.15
HSL	191°, 57%, 64%
HSV	191°, 49%, 85%
XYZ	38.6901, 47.8172, 72.1562
YIQ	172.8650, -57.0800, -11.8000

Conversions

Conversions Part 2

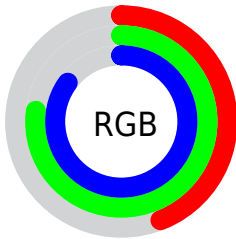
Format	Color
RYB	111, 158, 216
Decimal	7324888
CIELab	74.71, -20.43, -17.97
CIELCh	75, 27.211, 221.338
Yxy	47.8172, 0.2439, 0.3014
Android (android.graphics.Color)	4285514968 (0xFF6FC4D8)
YUV	172.8650, 21.2656, -54.2556
Hunter-Lab	69.1500, -21.1399, -13.4626

Details

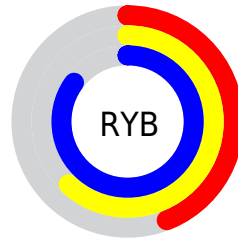
The XYZ color **38.6901, 47.8172, 72.1562** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **39.3054, 31.9802, 19.1414**, and the grayscale version is **39.5689, 41.6296, 45.3346**.

A 20% lighter version of the original color is **69.3237, 85.7954, 107.5142**, and **17.4713, 22.6230, 37.1641** is the 20% darker color. If you saturate the color by 10%, you get **35.3789, 44.7524, 71.7400**, and if you desaturate by 10%, it is **42.6868, 51.2752, 72.6139**.

Distribution



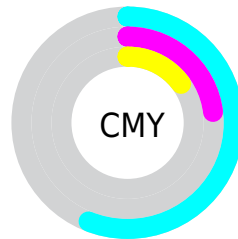
- Red (44%)
- Green (77%)
- Blue (85%)



- Red (44%)
- Yellow (62%)
- Blue (85%)



- Cyan (49%)
- Magenta (9%)
- Yellow (0%)
- Black (15%)



- Cyan (56%)
- Magenta (23%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6901, 47.8172, 72.1562 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 38.6901, 47.8172, 72.1562 by changing the saturation by 10% instead.

■ 38.6901, 47.8172,
72.1562

■ 38.6901, 47.8172,
72.1562

331.8010,
378.0671, 487.0772

■ 26.6984, 33.6821,
52.7987

■ 72.4618, 86.9322,
123.9884

■ 17.4822, 22.6495,
37.2554

■ 94.9724, 112.6809,
157.3001

■ 10.6763, 14.3349,
25.1080

■ 121.7201,
143.0696, 196.1003

■ 5.9153, 8.3540,
15.9378

153.0701,
178.4827, 240.8075

■ 2.8338, 4.3223,
9.3263

189.3878,
219.3046, 291.8402

■ 1.0665, 1.8554,
4.8549

231.0387,

■ 0.0000, 0.5214,

265.9197, 349.6171

2.1051

278.3880,
318.7124, 414.5566

■ 0.0000, 0.0000,
0.6188

■ 0.0000, 0.0000,
0.0000

■ 38.6901, 47.8172,
72.1562

■ 38.6901, 47.8172,
72.1562

■ 35.3789, 44.7524,
71.7400

■ 42.6868, 51.2752,
72.6139

■ 32.7003, 42.0503,
71.3596

■ 47.4081, 55.1438,
73.1117

■ 30.6009, 39.6839,
71.0135

■ 52.8954, 59.4456,
73.6529

■ 29.0160, 37.6195,
70.6986

■ 59.1855, 64.2000,
74.2390

■ 27.8468, 35.8061,
70.4102

■ 66.3128, 69.4249,
74.8719

■ 27.6977, 35.5637,
70.3713

■ 74.3098, 75.1373,
75.5530

■ 80.5064, 79.9611,
76.1575

■ 81.6308, 82.2098,
76.5323

■ 82.7821, 84.5125,
76.9161

Harmonies

Analogous

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



36.7655, 47.8172, 57.5925



38.6901, 47.8172, 72.1562



42.4797, 47.8172, 82.2889

Triad

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



38.6901, 47.8172, 72.1562



55.0447, 47.8172, 61.2535



43.6087, 47.8172, 29.7065

Complementary

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



38.6901, 47.8172, 72.1562



39.3054, 31.9802, 19.1414

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.



48.5532, 47.8172, 30.3288



38.6901, 47.8172, 72.1562



55.4019, 47.8172, 46.9027

Square

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



38.6901, 47.8172, 72.1562



52.0088, 47.8172, 75.2504



52.9521, 47.8172, 36.0989



39.4650, 47.8172, 34.2101

Rectangle

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



38.6901, 47.8172, 72.1562



45.6708, 47.8172, 84.2326



52.9521, 47.8172, 36.0989



45.2275, 47.8172, 29.3482

Sweetspot

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



38.6916, 47.8190, 72.1573



80.0708, 88.8930, 107.5456



35.1586, 54.1107, 29.7999



16.7354, 18.7194, 22.9811



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.



38.6916, 47.8190, 72.1573



51.5482, 65.1974, 104.4752



28.9626, 28.3611, 68.9143



12.5818, 13.6871, 15.9163



16.4693, 21.2004, 41.6772



1.0463, 1.3846, 2.5314

Inverse Universe

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



43.9684, 29.9546, 55.6909



60.3499, 37.3329, 76.5756



48.0712, 49.5118, 22.0633



12.8469, 12.5902, 15.1339



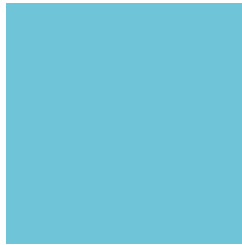
21.3718, 10.4850, 25.0597



1.3158, 0.6431, 1.6522

Previews

White Background



This preview shows how the XYZ color 38.6901, 47.8172, 72.1562 looks on a white background.

Color Contrast Check

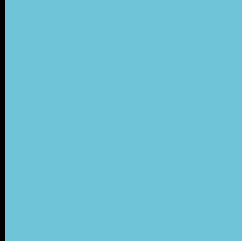
Large Text (above 18pt) WCAG AA × Fail

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 38.6901, 47.8172, 72.1562 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 38.6901, 47.8172, 72.1562

Background



This preview shows how black text looks on a background with the XYZ color 38.6901, 47.8172, 72.1562.



This preview shows how white text looks on a background with the XYZ color 38.6901, 47.8172,

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

38.6901, 47.8172, 72.1562

Protanopia

46.2549, 47.0877, 65.0435

Deuteranopia

48.3298, 47.3526, 74.3029



Tritanopia

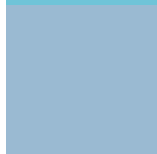
38.2803, 48.0010, 69.5349

Trichromacy



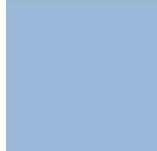
Original Color

38.6901, 47.8172, 72.1562



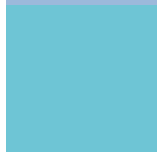
Protanomaly

42.5182, 46.6410, 67.7344



Deuteranomaly

43.8454, 46.8803, 73.7557



Tritanomaly

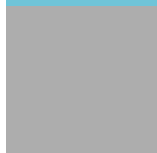
38.4069, 48.0516, 70.2014

Monochromacy



Original Color

38.6901, 47.8172, 72.1562



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

38.2869, 43.2059, 54.4658

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6901, 47.8172, 72.1562 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(111, 196, 216)` looks like.

```
.text, #text, p{  
    color:rgb(111, 196, 216)  
}
```

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(111, 196, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 196, 216) }
```

Border

The CSS property to change the border of an element to XYZ 38.6901, 47.8172, 72.1562 is called "border". The border property can be set on classes, ids or directly on the HTML element.

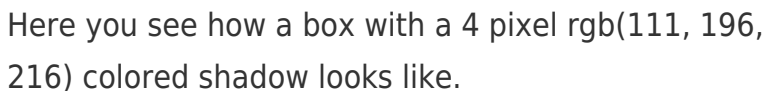
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(111, 196, 216) }
```


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

```
.border{ border-color:rgb(111, 196, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(111, 196, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 196, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 196, 216);  
box-shadow:4px 4px 4px 4px rgb(111, 196,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6901, 47.8172, 72.1562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 196, 216) }
```

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

```
.background{ background-color: rgb(111,  
196, 216) }
```

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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