

Converting Colors

XYZ(35.0396, 47.4239, 44.1691)

Have a look what the booklet for
XYZ(35.0396, 47.4239, 44.1691)
contains.

XYZ(35.2370, 47.6671, 44.3893)	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(35.2370, 47.6671,
44.3893)**

Conversions

Conversions Part 1

Format	Color
Hex	78C7A8
RGB	120, 199, 168
RGB Percent	47%, 78%, 66%
CMY	0.5294, 0.2196, 0.3412
CMYK	0.40, 0.00, 0.16, 0.22
HSL	156°, 41%, 63%
HSV	156°, 40%, 78%
XYZ	35.2370, 47.6671, 44.3893
YIQ	171.8450, -37.1330, -26.3890

Conversions

Conversions Part 2

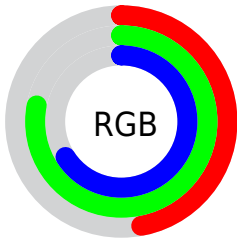
Format	Color
RYB	120, 169, 199
Decimal	7915432
CIELab	74.61, -31.39, 7.93
CIELCh	75, 32.377, 165.816
Yxy	47.6671, 0.2768, 0.3745
Android (android.graphics.Color)	4286105512 (0xFF78C7A8)
YUV	171.8450, -1.8956, -45.4681
Hunter-Lab	69.0414, -29.7204, 10.2092

Details

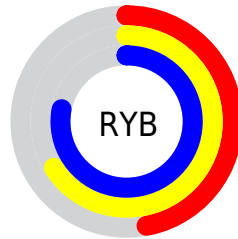
The XYZ color **35.2370, 47.6671, 44.3893** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **35.8571, 27.8105, 32.7579**, and the grayscale version is **39.1581, 41.1973, 44.8639**.

A 20% lighter version of the original color is **66.7585, 85.9617, 82.8858**, and **15.5246, 22.6700, 20.0805** is the 20% darker color. If you saturate the color by 10%, you get **32.0531, 46.1085, 40.5564**, and if you desaturate by 10%, it is **39.0408, 49.5427, 48.4813**.

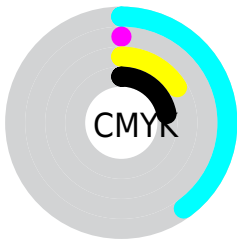
Distribution



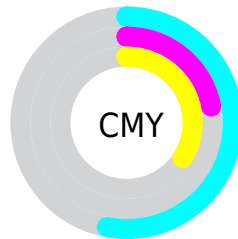
- Red (47%)
- Green (78%)
- Blue (66%)



- Red (47%)
- Yellow (66%)
- Blue (78%)



- Cyan (40%)
- Magenta (0%)
- Yellow (16%)
- Black (22%)



- Cyan (53%)
- Magenta (22%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.2370, 47.6671, 44.3893 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 35.2370, 47.6671, 44.3893 by changing the saturation by 10% instead.

■ 35.2370, 47.6671,
44.3893

■ 35.2370, 47.6671,
44.3893

317.1029,
377.4711, 380.3823

■ 24.0129, 33.5633,
30.6372

■ 67.1844, 86.7085,
83.1119

■ 15.4680, 22.5583,
20.0666

■ 88.6383, 112.4150,
108.9196

■ 9.2369, 14.2677,
12.2589

■ 114.2329,
142.7578, 139.5829

■ 4.9544, 8.3071,
6.7956

144.3335,
178.1214, 175.5203

■ 2.2550, 4.2921,
3.2581

179.3054,
218.8901, 217.1504

■ 0.7715, 1.8383,
1.2279

219.5141,

■ 0.0000, 0.5109,

265.4484, 264.8917

0.0016

265.3248,
318.1806, 319.1629

■ 0.0000, 0.0000,
0.0000

■ 35.2370, 47.6671,
44.3893

■ 35.2370, 47.6671,
44.3893

■ 32.0531, 46.1085,
40.5564

■ 39.0408, 49.5427,
48.4813

■ 29.4485, 44.8424,
36.9738

■ 43.4940, 51.7467,
52.8348

■ 27.3840, 43.8499,
33.6366


■ 48.6289, 54.2968,
57.4558


■ 25.8135, 43.1072,
30.5383


■ 54.4745, 57.2081,
62.3496

■ 24.6825, 42.5864,
27.6723


■ 61.0579, 60.4943,
67.5210


 23.8919, 42.2365,
25.0292

 68.4050, 64.1687,
72.9747

 23.8700, 42.2269,
24.9529

 74.9388, 67.4184,
78.6403

 76.0143, 67.8486,
84.3039

 77.1390, 68.2985,
90.2266

Harmonies

Analogous

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



37.6973, 47.6671, 32.5037



35.2370, 47.6671, 44.3893



35.3073, 47.6671, 61.2021

Triad

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



35.2370, 47.6671, 44.3893



48.4469, 47.6671, 89.5495



53.6213, 47.6671, 32.0303

Complementary

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



35.2370, 47.6671, 44.3893



35.8571, 27.8105, 32.7579

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.



57.0342, 47.6671, 43.5941



35.2370, 47.6671, 44.3893



53.8756, 47.6671, 77.7957

Square

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



35.2370, 47.6671, 44.3893



42.6010, 47.6671, 89.8922



57.1311, 47.6671, 60.2165



48.1234, 47.6671, 26.4818

Rectangle

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



35.2370, 47.6671, 44.3893



36.7701, 47.6671, 73.1666



57.1311, 47.6671, 60.2165



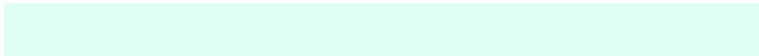
55.0705, 47.6671, 35.2161

Sweetspot

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



35.2383, 47.6690, 44.3904



82.8010, 93.9019, 98.5484



36.6892, 48.8418, 25.2635



17.4614, 19.9689, 20.8614



0.0000, 0.0000, 0.0000



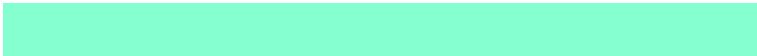
20.3446, 21.4041, 23.3091

Same Dimension

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



35.2383, 47.6690, 44.3904



56.6283, 80.9775, 71.6562



36.7086, 45.4237, 60.8681



10.7636, 11.9943, 12.7052



15.3924, 27.1693, 16.2766



0.7637, 1.3004, 0.9543

Inverse Universe

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



35.8571, 27.8105, 32.7579



57.8757, 41.2469, 48.4297



34.6509, 28.9115, 21.5240



10.8033, 10.7047, 11.9477



16.0719, 8.1783, 5.5884



0.7965, 0.4014, 0.4513

Previews

White Background



This preview shows how the XYZ color 35.2370, 47.6671, 44.3893 looks on a white background.

Color Contrast Check

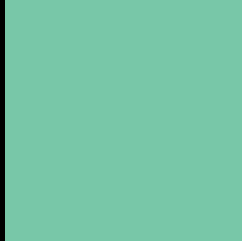
Large Text (above 18pt) WCAG AA × Fail

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 35.2370, 47.6671, 44.3893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

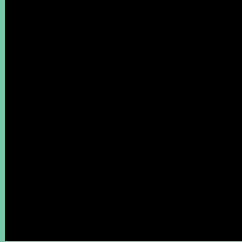
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.2370, 47.6671, 44.3893

Background



This preview shows how black text looks on a background with the XYZ color 35.2370, 47.6671, 44.3893.



This preview shows how white text looks on a background with the XYZ color 35.2370, 47.6671,

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

35.2370, 47.6671, 44.3893

Protanopia

44.4718, 47.0355, 39.5357

Deuteranopia

47.9700, 46.9052, 46.0605



Tritanopia

39.7845, 47.4892, 67.3911

Trichromacy



Original Color

35.2370, 47.6671, 44.3893

Protanomaly

40.0219, 46.5744, 41.0628

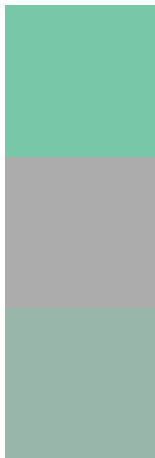
Deuteranomaly

41.7248, 46.1055, 45.2282

Tritanomaly

37.8569, 47.3609, 58.1852

Monochromacy



Original Color

35.2370, 47.6671, 44.3893

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

37.2155, 43.1685, 44.8990

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2370, 47.6671, 44.3893 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(120, 199, 168)` looks like.

```
.text, #text, p{  
    color:rgb(120, 199, 168)  
}
```

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(120, 199, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 199, 168) }
```

Border

The CSS property to change the border of an element to XYZ 35.2370, 47.6671, 44.3893 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(120, 199, 168) }
```


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

```
.border{ border-color:rgb(120, 199, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 199, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 199, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 199, 168);  
box-shadow:4px 4px 4px 4px rgb(120, 199,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2370, 47.6671, 44.3893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 199, 168) }
```

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

```
.background{ background-color: rgb(120,  
199, 168) }
```

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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