

Converting Colors

XYZ(34.2637, 47.8130, 41.8204)

Have a look what the booklet for
XYZ(34.2637, 47.8130, 41.8204)
contains.

XYZ(34.3477, 47.9593, 41.6292)	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(34.3477, 47.9593,
41.6292)**

Conversions

Conversions Part 1

Format	Color
Hex	72C9A2
RGB	114, 201, 162
RGB Percent	45%, 79%, 64%
CMY	0.5529, 0.2118, 0.3647
CMYK	0.43, 0.00, 0.19, 0.21
HSL	153°, 45%, 62%
HSV	153°, 43%, 79%
XYZ	34.3477, 47.9593, 41.6292
YIQ	170.5410, -39.3330, -30.5730

Conversions

Conversions Part 2

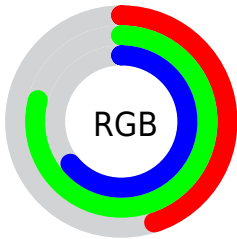
Format	Color
RYB	114, 170, 201
Decimal	7522722
CIELab	74.80, -35.23, 11.39
CIELCh	75, 37.030, 162.083
Yxy	47.9593, 0.2771, 0.3870
Android (android.graphics.Color)	4285712802 (0xFF72C9A2)
YUV	170.5410, -4.2107, -49.5865
Hunter-Lab	69.2527, -32.6603, 12.8364

Details

The XYZ color **34.3477, 47.9593, 41.6292** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **35.8561, 26.7533, 33.4131**, and the grayscale version is **38.5142, 40.5200, 44.1262**.

A 20% lighter version of the original color is **64.8619, 85.0758, 78.6483**, and **14.8970, 22.6134, 18.3315** is the 20% darker color. If you saturate the color by 10%, you get **31.2426, 46.4491, 37.4520**, and if you desaturate by 10%, it is **38.0873, 49.7925, 46.1379**.

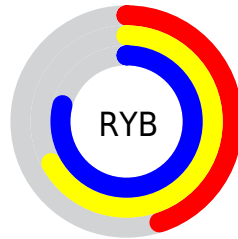
Distribution



Red (45%)

Green (79%)

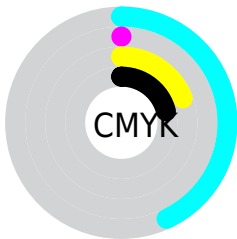
Blue (64%)



Red (45%)

Yellow (67%)

Blue (79%)

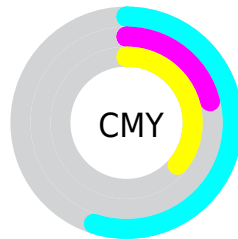


Cyan (43%)

Magenta (0%)

Yellow (19%)

Black (21%)



Cyan (55%)

Magenta (21%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.3477, 47.9593, 41.6292 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 34.3477, 47.9593, 41.6292 by changing the saturation by 10% instead.


 34.3477, 47.9593,
41.6292


 34.3477, 47.9593,
41.6292


313.2384,
378.6308, 368.6977


 23.3250, 33.7947,
28.4877

 65.8147, 87.1438,
78.9021

 14.9557, 22.7359,
18.4513


 86.9897, 112.9325,
103.8706

 8.8744, 14.3986,
11.1017


 112.2796,
143.3646, 133.6185

 4.7158, 8.3984,
6.0203

142.0496,
178.8245, 168.5643

 2.1145, 4.3509,
2.7884

176.6651,
219.6967, 209.1266

 0.6971, 1.8717,
0.9876

216.4915,

 0.0000, 0.5313,

266.3656, 255.7239

0.0000

261.8941,
319.2155, 308.7748

■ 0.0000, 0.0000,
0.0000

■ 34.3477, 47.9593,
41.6292

■ 34.3477, 47.9593,
41.6292

■ 31.2426, 46.4491,
37.4520

■ 38.0873, 49.7925,
46.1379

■ 28.7288, 45.2360,
33.5948

■ 42.4933, 51.9612,
50.9824

■ 26.7638, 44.2994,
30.0503


■ 47.5998, 54.4842,
56.1713


■ 25.2973, 43.6136,
26.8095


■ 53.4377, 57.3771,
61.7118


■ 24.2687, 43.1475,
23.8627


■ 60.0359, 60.6549,
67.6107

 23.7510, 42.9203,
22.0413

 67.4214, 64.3313,
73.8747

 75.6203, 68.4196,
80.5104

 76.9915, 68.9806,
87.1653

 78.3202, 69.5120,
94.1619

Harmonies

Analogous

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



37.4505, 47.9593, 29.2633



34.3477, 47.9593, 41.6292



34.0662, 47.9593, 60.3667

Triad

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



34.3477, 47.9593, 41.6292



48.3463, 47.9593, 97.4813



55.8768, 47.9593, 31.1136

Complementary

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



34.3477, 47.9593, 41.6292



35.8561, 26.7533, 33.4131

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.



59.4426, 47.9593, 44.8405



34.3477, 47.9593, 41.6292



54.8170, 47.9593, 84.8317

Square

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



34.3477, 47.9593, 41.6292



41.7182, 47.9593, 96.0089



59.0367, 47.9593, 64.4689



49.6813, 47.9593, 24.3012

Rectangle

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



34.3477, 47.9593, 41.6292



35.4765, 47.9593, 74.4778



59.0367, 47.9593, 64.4689



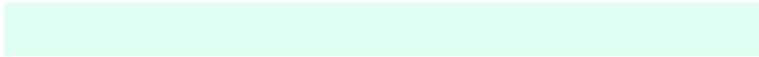
57.4489, 47.9593, 34.9068

Sweetspot

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



34.3490, 47.9612, 41.6303



81.5871, 93.3255, 96.2600



37.0907, 49.7771, 23.5735



17.0207, 19.7567, 20.1666



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.



34.3490, 47.9612, 41.6303



53.7562, 79.6522, 64.5014



37.3705, 47.5701, 62.4729



10.7382, 11.9842, 12.5717



14.9798, 27.0043, 14.1043



0.7454, 1.2931, 0.8580

Inverse Universe

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



35.8561, 26.7533, 33.4131



56.6761, 38.6484, 48.6440



33.6458, 26.6731, 19.2955



10.8282, 10.7147, 12.0785



16.3532, 8.2908, 7.0698



0.8107, 0.4071, 0.5262

Previews

White Background



This preview shows how the XYZ color 34.3477, 47.9593, 41.6292 looks on a white background.

Color Contrast Check

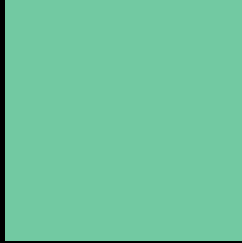
Large Text (above 18pt) WCAG AA × Fail

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 34.3477, 47.9593, 41.6292 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 34.3477, 47.9593, 41.6292

Background



This preview shows how black text looks on a background with the XYZ color 34.3477, 47.9593, 41.6292.

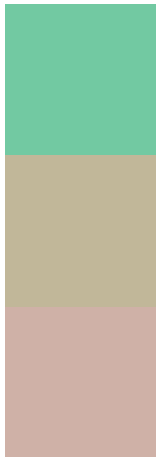


This preview shows how white text looks on a background with the XYZ color 34.3477, 47.9593,

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

34.3477, 47.9593, 41.6292

Protanopia

44.6756, 47.5043, 36.9516

Deuteranopia

48.4293, 47.4997, 43.1751



Tritanopia

39.5288, 47.6723, 68.0911

Trichromacy



Original Color

34.3477, 47.9593, 41.6292

Protanomaly

39.7240, 47.1197, 38.4538

Deuteranomaly

41.5840, 46.7187, 42.4232

Tritanomaly

37.6179, 47.9203, 57.7190

Monochromacy



Original Color

34.3477, 47.9593, 41.6292

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

36.3735, 42.7671, 43.3836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3477, 47.9593, 41.6292 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(114, 201, 162)` looks like.

```
.text, #text, p{  
    color:rgb(114, 201, 162)  
}
```

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(114, 201, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 201, 162) }
```

Border

The CSS property to change the border of an element to XYZ 34.3477, 47.9593, 41.6292 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(114, 201, 162) }
```


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

```
.border{ border-color:rgb(114, 201, 162) }
```

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

Here you see how a box with a 4 pixel rgb(114, 201, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 201, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 201, 162);  
box-shadow:4px 4px 4px 4px rgb(114, 201,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3477, 47.9593, 41.6292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 201, 162) }
```

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

```
.background{ background-color: rgb(114,  
201, 162) }
```

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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