

Converting Colors

XYZ(34.3065, 46.2908, 42.6830)

Have a look what the booklet for
XYZ(34.3065, 46.2908, 42.6830)
contains.

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Color

**XYZ(34.2772, 46.1895,
42.7062)**

Conversions

Conversions Part 1

Format	Color
Hex	78C4A5
RGB	120, 196, 165
RGB Percent	47%, 77%, 65%
CMY	0.5294, 0.2314, 0.3529
CMYK	0.39, 0.00, 0.16, 0.23
HSL	156°, 39%, 62%
HSV	156°, 39%, 77%
XYZ	34.2772, 46.1895, 42.7062
YIQ	169.7420, -35.3450, -25.7530

Conversions

Conversions Part 2

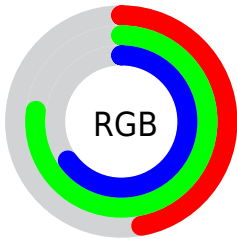
Format	Color
RYB	120, 168, 196
Decimal	7914661
CIELab	73.67, -30.60, 8.20
CIELCh	74, 31.683, 164.999
Yxy	46.1895, 0.2783, 0.3750
Android (android.graphics.Color)	4286104741 (0xFF78C4A5)
YUV	169.7420, -2.3378, -43.6237
Hunter-Lab	67.9629, -28.9082, 10.3176

Details

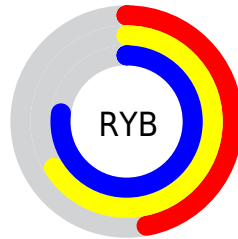
The XYZ color **34.2772, 46.1895, 42.7062** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.0689, 27.4043, 32.7212**, and the grayscale version is **38.1049, 40.0893, 43.6573**.

A 20% lighter version of the original color is **65.7227, 84.5318, 80.5625**, and **14.9004, 21.6965, 19.0253** is the 20% darker color. If you saturate the color by 10%, you get **31.1272, 44.6483, 38.8786**, and if you desaturate by 10%, it is **38.0317, 48.0395, 46.8017**.

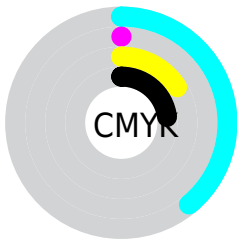
Distribution



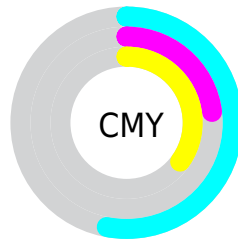
- Red (47%)
- Green (77%)
- Blue (65%)



- Red (47%)
- Yellow (66%)
- Blue (77%)



- Cyan (39%)
- Magenta (0%)
- Yellow (16%)
- Black (23%)



- Cyan (53%)
- Magenta (23%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2772, 46.1895, 42.7062 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 34.2772, 46.1895, 42.7062 by changing the saturation by 10% instead.

■ 34.2772, 46.1895,
42.7062

■ 34.2772, 46.1895,
42.7062

312.9305,
371.5700, 373.2878

■ 23.2705, 32.3954,
29.3250

■ 65.7059, 84.5025,
80.5489

■ 14.9152, 21.6637,
19.0791

■ 86.8587, 109.7902,
105.8475

■ 8.8458, 13.6100,
11.5501

■ 112.1242,
139.6779, 135.9556

■ 4.6970, 7.8499,
6.3193

141.8679,
174.5500, 171.2917

■ 2.1035, 3.9991,
2.9683

176.4550,
214.7908, 212.2745

■ 0.6911, 1.6730,
1.0785

216.2509,

■ 0.0000, 0.4061,

260.7849, 259.3224

0.0000

261.6209,
312.9164, 312.8540

■ 0.0000, 0.0000,
0.0000

■ 34.2772, 46.1895,
42.7062

■ 34.2772, 46.1895,
42.7062

■ 31.1272, 44.6483,
38.8786

■ 38.0317, 48.0395,
46.8017

■ 28.5428, 43.3923,
35.3096

■ 42.4188, 50.2091,
51.1674

■ 26.4865, 42.4035,
31.9942

■ 47.4697, 52.7153,
55.8101

■ 24.9144, 41.6594,
28.9257

■ 53.2121, 55.5726,
60.7349

■ 23.7749, 41.1334,
26.0970

■ 59.6722, 58.7942,
65.9470

■ 22.9834, 40.7820,
23.4993

■ 66.8748, 62.3930,
71.4513

■ 22.8961, 40.7436,
23.1961

■ 74.0277, 65.9602,
77.2145

■ 75.1185, 66.3966,
82.9588

■ 76.2608, 66.8535,
88.9740

Harmonies

Analogous

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



36.7016, 46.1895, 31.4436



34.2772, 46.1895, 42.7062



34.2771, 46.1895, 58.7265

Triad

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



34.2772, 46.1895, 42.7062



46.7555, 46.1895, 86.4615



51.9872, 46.1895, 31.4443

Complementary

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



34.2772, 46.1895, 42.7062



35.0689, 27.4043, 32.7212

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.



55.1779, 46.1895, 42.7073



34.2772, 46.1895, 42.7062



51.9868, 46.1895, 75.4783

Square

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



34.2772, 46.1895, 42.7062



41.1661, 46.1895, 86.4610



55.1777, 46.1895, 58.7279



46.7560, 46.1895, 25.9481

Rectangle

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



34.2772, 46.1895, 42.7062



35.6383, 46.1895, 70.1933



55.1777, 46.1895, 58.7279



53.3529, 46.1895, 34.5609

Sweetspot

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



34.2785, 46.1914, 42.7073



82.7295, 93.8733, 98.1718



36.0182, 47.4811, 25.0365



17.4445, 19.9622, 20.7726



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.



34.2785, 46.1914, 42.7073



56.9300, 81.1450, 71.1256



36.0524, 44.6631, 58.9474



10.1890, 11.3567, 11.9987



14.7547, 26.1960, 15.1334



0.6710, 1.1452, 0.8303

Inverse Universe

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



35.0689, 27.4043, 32.7212



58.5807, 42.0921, 50.4056



33.6601, 28.1001, 21.4198



10.2397, 10.1445, 11.3528



15.5971, 7.9286, 5.7904



0.7081, 0.3562, 0.4301

Previews

White Background



This preview shows how the XYZ color 34.2772, 46.1895, 42.7062 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 34.2772, 46.1895, 42.7062 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

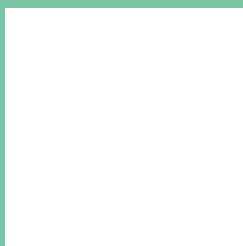
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.2772, 46.1895, 42.7062

Background



This preview shows how black text looks on a background with the XYZ color 34.2772, 46.1895, 42.7062.



This preview shows how white text looks on a background with the XYZ color 34.2772, 46.1895,

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

34.2772, 46.1895, 42.7062

Protanopia

43.3933, 45.8957, 38.4700

Deuteranopia

46.4791, 45.5919, 44.3806



Tritanopia

38.7600, 46.0290, 65.2341

Trichromacy



Original Color

34.2772, 46.1895, 42.7062

Protanomaly

39.2139, 45.5484, 39.9826

Deuteranomaly

40.8091, 45.0537, 43.5912

Tritanomaly

36.8578, 45.8965, 56.2065

Monochromacy



Original Color

34.2772, 46.1895, 42.7062

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

36.1369, 41.7428, 43.1983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2772, 46.1895, 42.7062 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, 196, 165)` looks like.

```
.text, #text, p{  
    color:rgb(120, 196, 165)  
}
```

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, 196, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 196, 165) }
```

Border

The CSS property to change the border of an element to XYZ 34.2772, 46.1895, 42.7062 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, 196, 165) }
```


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

```
.border{ border-color:rgb(120, 196, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 196, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 196, 165); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 196, 165); box-shadow:4px 4px 4px 4px rgb(120, 196, 165) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2772, 46.1895, 42.7062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 196, 165) }
```

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

```
.background{ background-color: rgb(120,  
196, 165) }
```

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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