

Converting Colors

XYZ(30.6882, 42.0811, 55.2202)

Have a look what the booklet for
XYZ(30.6882, 42.0811, 55.2202)
contains.

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Color

**XYZ(30.6882, 42.0811,
55.2202)**

Conversions

Conversions Part 1

Format	Color
Hex	4CBEBE
RGB	76, 190, 190
RGB Percent	30%, 75%, 75%
CMY	0.7019, 0.2549, 0.2549
CMYK	0.60, 0.00, 0.00, 0.25
HSL	180°, 47%, 52%
HSV	180°, 60%, 75%
XYZ	30.6882, 42.0811, 55.2202
YIQ	155.9140, -67.9440, -24.1680

Conversions

Conversions Part 2

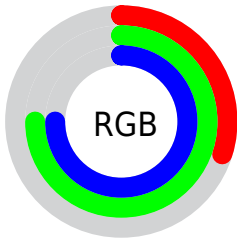
Format	Color
RYB	76, 133, 190
Decimal	5029566
CIELab	70.93, -31.67, -9.62
CIElCh	71, 33.097, 196.897
Yxy	42.0811, 0.2398, 0.3288
Android (android.graphics.Color)	4283219646 (0xFF4CBEBE)
YUV	155.9140, 16.8044, -70.0846
Hunter-Lab	64.8699, -29.0789, -5.0613

Details

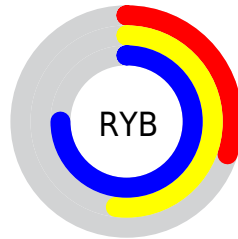
The XYZ color **30.6882, 42.0811, 55.2202** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **25.1256, 16.6391, 8.7263**, and the grayscale version is **31.5120, 33.1531, 36.1037**.

A 20% lighter version of the original color is **60.2118, 78.4937, 99.1661**, and **13.3195, 19.4145, 26.7123** is the 20% darker color. If you saturate the color by 10%, you get **29.3961, 41.4160, 55.1605**, and if you desaturate by 10%, it is **32.4285, 42.9792, 55.3027**.

Distribution



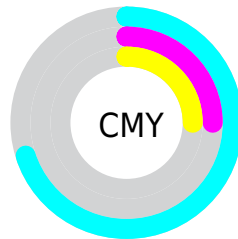
- Red (30%)
- Green (75%)
- Blue (75%)



- Red (30%)
- Yellow (52%)
- Blue (75%)



- Cyan (60%)
- Magenta (0%)
- Yellow (0%)
- Black (25%)



- Cyan (70%)
- Magenta (25%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6882, 42.0811, 55.2202 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 30.6882, 42.0811, 55.2202 by changing the saturation by 10% instead.

■ 30.6882, 42.0811,
55.2202

■ 30.6882, 42.0811,
55.2202

296.9519,
354.8190, 424.0515

■ 20.5122, 29.1648,
39.1783

■ 60.1280, 78.3224,
99.3379

■ 12.8783, 19.2055,
26.5895

■ 80.1226, 102.4161,
128.2507

■ 7.4212, 11.8189,
17.0355

■ 104.1207,
131.0044, 162.2909

■ 3.7756, 6.6205,
10.0976

■ 132.4877,
164.4718, 201.8771

■ 1.5760, 3.2259,
5.3572

165.5889,
203.2025, 247.4276

■ 0.3767, 1.2508,
2.3960

203.7898,

■ 0.0000, 0.1026,

247.5810, 299.3612

0.7843

247.4557,
297.9917, 358.0963

■ 0.0000, 0.0000,
0.0000

■ 30.6882, 42.0811,
55.2202

■ 30.6882, 42.0811,
55.2202

■ 29.3961, 41.4160,
55.1605

■ 32.4285, 42.9792,
55.3027

■ 28.5080, 40.9581,
55.1188

■ 34.6488, 44.1238,
55.4068

■ 27.9771, 40.6844,
55.0938

■ 37.3825, 45.5331,
55.5349

■ 27.7084, 40.5459,
55.0810

■ 40.6588, 47.2221,
55.6884

■ 27.7084, 40.5459,
55.0810

■ 44.5049, 49.2048,
55.8686

■ 48.9458, 51.4942,
56.0766

■ 54.0055, 54.1025,
56.3135

■ 59.7063, 57.0414,
56.5805

■ 66.0696, 60.3218,
56.8784

Harmonies

Analogous

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



30.5363, 42.0811, 39.2761



30.6882, 42.0811, 55.2202



33.1826, 42.0811, 71.7478

Triad

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



30.6882, 42.0811, 55.2202



48.2454, 42.0811, 69.8489



42.4482, 42.0811, 22.1573

Complementary

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



30.6882, 42.0811, 55.2202



25.1256, 16.6391, 8.7263

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.



47.6854, 42.0811, 27.0375



30.6882, 42.0811, 55.2202



51.2337, 42.0811, 53.0513

Square

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



30.6882, 42.0811, 55.2202



43.1572, 42.0811, 81.4336



51.0198, 42.0811, 37.5507



36.9946, 42.0811, 22.4792

Rectangle

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



30.6882, 42.0811, 55.2202



35.9803, 42.0811, 79.7953



51.0198, 42.0811, 37.5507



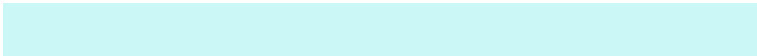
44.3017, 42.0811, 23.1857

Sweetspot

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



30.6895, 42.0827, 55.2212



74.7919, 86.1450, 100.9643



22.8530, 38.9658, 13.1552



16.0048, 18.7007, 22.1512



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



30.6895, 42.0827, 55.2212



52.6827, 74.7473, 99.9280



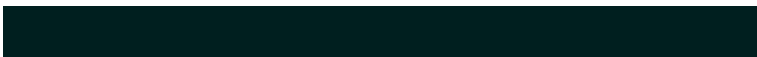
20.9262, 22.5559, 51.9677



9.8086, 10.8096, 12.2417



18.4239, 26.9598, 36.6246



0.7217, 1.0560, 1.4346

Inverse Universe

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



25.1256, 16.6391, 8.7263



41.7076, 24.5588, 8.2148



30.6710, 27.7301, 10.5745



9.5302, 9.5364, 9.9151



14.1202, 7.2793, 0.6609



0.5531, 0.2851, 0.0259

Previews

White Background



This preview shows how the XYZ color 30.6882, 42.0811, 55.2202 looks on a white background.

Color Contrast Check

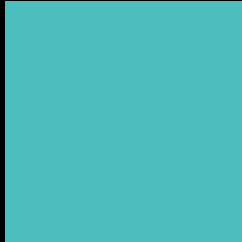
Large Text (above 18pt) WCAG AA × Fail

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 30.6882, 42.0811, 55.2202 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

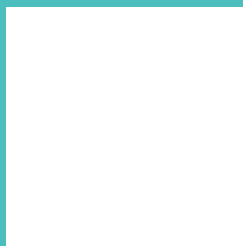
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.6882, 42.0811, 55.2202

Background



This preview shows how black text looks on a background with the XYZ color 30.6882, 42.0811, 55.2202.

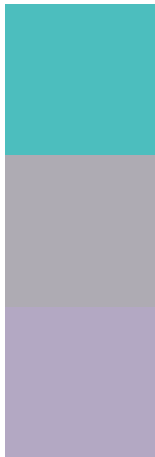


This preview shows how white text looks on a background with the XYZ color 30.6882, 42.0811,

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

30.6882, 42.0811, 55.2202

Protanopia

40.1552, 41.3792, 48.5184

Deuteranopia

42.4434, 41.5291, 57.4087



Tritanopia

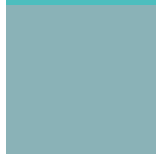
32.2424, 42.0721, 62.9213

Trichromacy



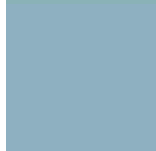
Original Color

30.6882, 42.0811, 55.2202



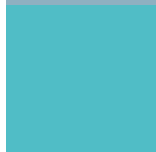
Protanomaly

34.9489, 40.6630, 50.8065



Deuteranomaly

36.3063, 40.6517, 56.3851



Tritanomaly

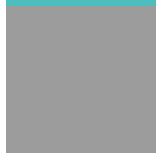
31.6989, 42.1779, 59.8965

Monochromacy



Original Color

30.6882, 42.0811, 55.2202



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

29.8229, 35.3444, 42.2961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6882, 42.0811, 55.2202 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(76, 190, 190)` looks like.

```
.text, #text, p{  
    color:rgb(76, 190, 190)  
}
```

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(76, 190, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 190, 190) }
```

Border

The CSS property to change the border of an element to XYZ 30.6882, 42.0811, 55.2202 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(76, 190, 190) }
```


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

```
.border{ border-color:rgb(76, 190, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 190, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 190, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 190, 190);  
box-shadow:4px 4px 4px 4px rgb(76, 190,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6882, 42.0811, 55.2202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 190, 190) }
```

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

```
.background{ background-color: rgb(76, 190,  
190) }
```

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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