

Converting Colors

XYZ(30.3727, 34.7888, 73.2235)

Have a look what the booklet for
XYZ(30.3727, 34.7888, 73.2235)
contains.

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Color

**XYZ(30.3495, 34.6517,
73.4955)**

Conversions

Conversions Part 1

Format	Color
Hex	52A7DD
RGB	82, 167, 221
RGB Percent	32%, 65%, 87%
CMY	0.6784, 0.3451, 0.1333
CMYK	0.63, 0.24, 0.00, 0.13
HSL	203°, 67%, 59%
HSV	203°, 63%, 87%
XYZ	30.3495, 34.6517, 73.4955
YIQ	147.7410, -67.9940, -1.2260

Conversions

Conversions Part 2

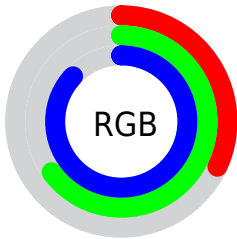
Format	Color
R _Y B	82, 135, 221
Decimal	5416925
CIE Lab	65.48, -9.44, -34.96
CIE LCh	65, 36.216, 254.886
Yxy	34.6517, 0.2191, 0.2502
Android (android.graphics.Color)	4283607005 (0xFF52A7DD)
YUV	147.7410, 36.1167, -57.6549
Hunter-Lab	58.8657, -10.9854, -32.8193

Details

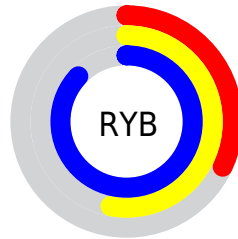
The XYZ color **30.3495, 34.6517, 73.4955** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **40.1474, 33.5916, 12.3519**, and the grayscale version is **27.9165, 29.3703, 31.9843**.

A 20% lighter version of the original color is **55.4990, 65.3022, 104.2872**, and **13.0137, 15.0146, 38.2886** is the 20% darker color. If you saturate the color by 10%, you get **27.2072, 30.7743, 72.9134**, and if you desaturate by 10%, it is **34.2174, 39.0594, 74.1431**.

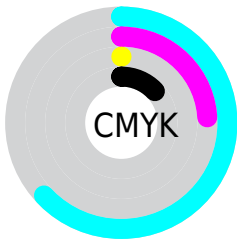
Distribution



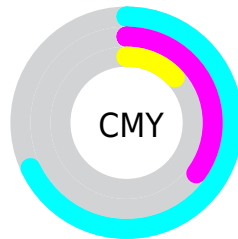
- Red (32%)
- Green (65%)
- Blue (87%)



- Red (32%)
- Yellow (53%)
- Blue (87%)



- Cyan (63%)
- Magenta (24%)
- Yellow (0%)
- Black (13%)



- Cyan (68%)
- Magenta (35%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3495, 34.6517, 73.4955 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 30.3495, 34.6517, 73.4955 by changing the saturation by 10% instead.

■ 30.3495, 34.6517,
73.4955

■ 30.3495, 34.6517,
73.4955

295.4108,
323.0283, 491.8471

■ 20.2534, 23.3947,
53.8869

■ 59.5973, 66.9458,
125.9078

■ 12.6887, 14.8852,
38.1187

■ 79.4797, 88.7518,
159.5486

■ 7.2901, 8.7389,
25.7723

■ 103.3549,
114.8428, 198.7040

■ 3.6921, 4.5713,
16.4291

■ 131.5884,
145.6033, 243.7924

■ 1.5295, 1.9980,
9.6707

164.5453,
181.4177, 295.2323

■ 0.3457, 0.6063,
5.0784

202.5911,

■ 0.0000, 0.0000,

222.6704, 353.4424

2.2338

246.0912,
269.7458, 418.8411

■ 0.0000, 0.0000,
0.6938

■ 0.0000, 0.0000,
0.0000

■ 30.3495, 34.6517,
73.4955

■ 30.3495, 34.6517,
73.4955

■ 27.2072, 30.7743,
72.9134

■ 34.2174, 39.0594,
74.1431

■ 24.7228, 27.3876,
72.3906

■ 38.8627, 44.0252,
74.8568

■ 22.8210, 24.4501,
71.9239

■ 44.3366, 49.5789,
75.6402

■ 21.7352, 22.5883,
71.6217

■ 50.6844, 55.7467,
76.4962

■ 57.9480, 62.5527,
77.4270

■ 66.1663, 70.0198,
78.4352

■ 75.3762, 78.1694,
79.5228

■ 84.1973, 86.2925,
80.6258

■ 86.7247, 91.3474,
81.4682

Harmonies

Analogous

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



26.2308, 34.6517, 62.2972



30.3495, 34.6517, 73.4955



35.6230, 34.6517, 73.5422

Triad

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



30.3495, 34.6517, 73.4955



43.7968, 34.6517, 30.7185



26.2554, 34.6517, 20.6012

Complementary

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



30.3495, 34.6517, 73.4955



40.1474, 33.5916, 12.3519

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.



30.3865, 34.6517, 15.9709



30.3495, 34.6517, 73.4955



40.6949, 34.6517, 20.6559

Square

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



30.3495, 34.6517, 73.4955



43.7841, 34.6517, 45.8613



35.6642, 34.6517, 15.9878



24.0454, 34.6517, 30.6212

Rectangle

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



30.3495, 34.6517, 73.4955



39.1137, 34.6517, 67.0861



35.6642, 34.6517, 15.9878



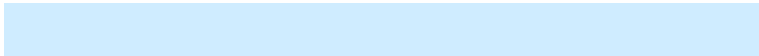
27.4446, 34.6517, 18.4980

Sweetspot

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



30.3507, 34.6529, 73.4964



73.7031, 80.5137, 106.2639



33.7305, 55.2650, 31.9176



15.1771, 16.6673, 22.6671



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.



30.3507, 34.6529, 73.4964



36.6110, 41.2274, 100.6358



20.9202, 15.7919, 70.3528



12.9981, 13.9359, 16.6570



12.7392, 13.3478, 41.6434



0.9080, 1.0302, 2.7254

Inverse Universe

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



39.8122, 24.1981, 39.1327



51.3690, 28.2225, 46.2948



53.1223, 59.5415, 16.6769



13.3889, 13.1847, 15.3092



19.9255, 9.9712, 14.5195



1.3326, 0.6627, 1.1606

Previews

White Background



This preview shows how the XYZ color 30.3495, 34.6517, 73.4955 looks on a white background.

Color Contrast Check

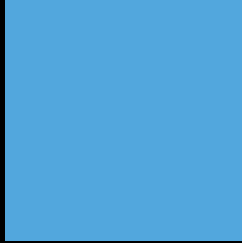
Large Text (above 18pt) WCAG AA × Fail

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 30.3495, 34.6517, 73.4955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

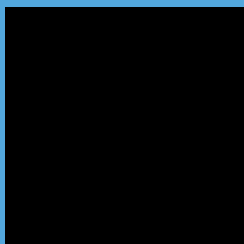
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

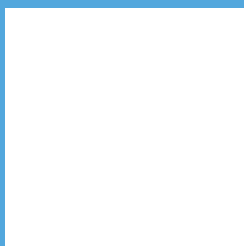
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.3495, 34.6517, 73.4955

Background



This preview shows how black text looks on a background with the XYZ color 30.3495, 34.6517, 73.4955.

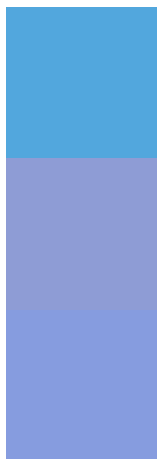


This preview shows how white text looks on a background with the XYZ color 30.3495, 34.6517,

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

30.3495, 34.6517, 73.4955

Protanopia

35.0540, 34.3318, 67.7299

Deuteranopia

35.0393, 34.1730, 74.5613



Tritanopia

26.0932, 34.5988, 52.3167

Trichromacy



Original Color

30.3495, 34.6517, 73.4955

Protanomaly

32.7112, 34.0925, 69.8222

Deuteranomaly

32.8259, 34.0604, 73.9514

Tritanomaly

27.4702, 34.5889, 59.2613

Monochromacy



Original Color

30.3495, 34.6517, 73.4955

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

27.7714, 30.8229, 45.0432

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3495, 34.6517, 73.4955 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(82, 167, 221)` looks like.

```
.text, #text, p{  
    color:rgb(82, 167, 221)  
}
```

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(82, 167, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 167, 221) }
```

Border

The CSS property to change the border of an element to XYZ 30.3495, 34.6517, 73.4955 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(82, 167, 221) }
```


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

```
.border{ border-color:rgb(82, 167, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 167, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 167, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 167, 221);  
box-shadow:4px 4px 4px 4px rgb(82, 167,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3495, 34.6517, 73.4955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 167, 221) }
```

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

```
.background{ background-color: rgb(82, 167,  
221) }
```

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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