

Converting Colors

XYZ(32.7303, 34.9386, 55.5177)

Have a look what the booklet for
XYZ(32.7303, 34.9386, 55.5177)
contains.

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Color

**XYZ(32.6993, 34.9252,
55.4699)**

Conversions

Conversions Part 1

Format	Color
Hex	88A2C1
RGB	136, 162, 193
RGB Percent	53%, 64%, 76%
CMY	0.4667, 0.3647, 0.2431
CMYK	0.30, 0.16, 0.00, 0.24
HSL	213°, 31%, 65%
HSV	213°, 30%, 76%
XYZ	32.6993, 34.9252, 55.4699
YIQ	157.7600, -25.4470, 4.1290

Conversions

Conversions Part 2

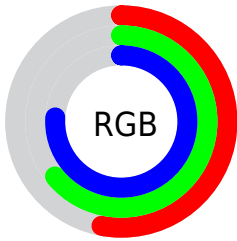
Format	Color
R _Y B	136, 154, 193
Decimal	8954561
CIE Lab	65.69, -1.76, -18.89
CIE LCh	66, 18.970, 264.668
Yxy	34.9252, 0.2656, 0.2837
Android (android.graphics.Color)	4287144641 (0xFF88A2C1)
YUV	157.7600, 17.3733, -19.0835
Hunter-Lab	59.0975, -4.6548, -14.2823

Details

The XYZ color **32.6993, 34.9252, 55.4699** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **40.2554, 40.7527, 29.0378**, and the grayscale version is **32.3237, 34.0070, 37.0337**.

A 20% lighter version of the original color is **63.3034, 67.4750, 100.1300**, and **14.0008, 15.1178, 26.6062** is the 20% darker color. If you saturate the color by 10%, you get **28.0704, 29.9085, 54.7461**, and if you desaturate by 10%, it is **38.0492, 40.5443, 56.2731**.

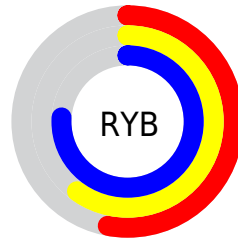
Distribution



Red (53%)

Green (64%)

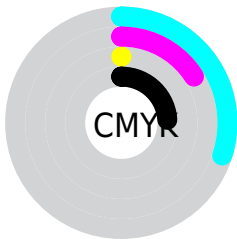
Blue (76%)



Red (53%)

Yellow (60%)

Blue (76%)

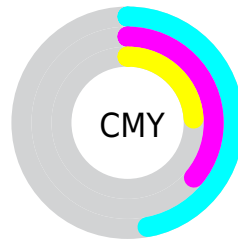


Cyan (30%)

Magenta (16%)

Yellow (0%)

Black (24%)



Cyan (47%)

Magenta (36%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.6993, 34.9252, 55.4699 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 32.6993, 34.9252, 55.4699 by changing the saturation by 10% instead.

■ 32.6993, 34.9252,
55.4699

■ 32.6993, 34.9252,
55.4699

305.9816,
324.2380, 425.0227

■ 22.0543, 23.6053,
39.3769

■ 63.2636, 67.3699,
99.7071

■ 14.0136, 15.0411,
26.7430

■ 83.9136, 89.2634,
128.6885

■ 8.2119, 8.8482,
17.1496

■ 108.6294,
115.4502, 162.8030

■ 4.2838, 4.6423,
10.1781

137.7762,
146.3148, 202.4693

■ 1.8639, 2.0390,
5.4101

171.7195,
182.2415, 248.1059

■ 0.5557, 0.6300,
2.4269

210.8246,

■ 0.0000, 0.0000,

223.6146, 300.1313

0.8010

255.4568,
270.8187, 358.9641

■ 0.0000, 0.0000,
0.0000

■ 32.6993, 34.9252,
55.4699

■ 32.6993, 34.9252,
55.4699

■ 28.0704, 29.9085,
54.7461

■ 38.0492, 40.5443,
56.2731

■ 24.1250, 25.4669,
54.0968

■ 44.1484, 46.7834,
57.1559

■ 20.8274, 21.5770,
53.5198

■ 51.0277, 53.6643,
58.1215

■ 18.1365, 18.2117,
53.0120

■ 58.7150, 61.2065,
59.1721

■ 16.0062, 15.3408,
52.5701

■ 67.2370, 69.4285,
60.3100

■ 14.3828, 12.9300,
52.1904

■ 76.6189, 78.3482,
61.5372

■ 13.1705, 10.9231,
51.8669

■ 80.7104, 84.7995,
62.5667

■ 13.1189, 10.8365,
51.8529

■ 83.8128, 91.0044,
63.6009

■ 86.6258, 96.6303,
64.5385

Harmonies

Analogous

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



30.1883, 34.9252, 51.9908



32.6993, 34.9252, 55.4699



35.4853, 34.9252, 53.7695

Triad

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



32.6993, 34.9252, 55.4699



38.3135, 34.9252, 31.9684



29.0079, 34.9252, 29.8158

Complementary

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



32.6993, 34.9252, 55.4699



40.2554, 40.7527, 29.0378

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.



31.0061, 34.9252, 25.7037



32.6993, 34.9252, 55.4699



36.3958, 34.9252, 26.8192

Square

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



32.6993, 34.9252, 55.4699



38.8290, 34.9252, 39.4733



33.6964, 34.9252, 24.6886



28.1348, 34.9252, 36.6176

Rectangle

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



32.6993, 34.9252, 55.4699



37.1117, 34.9252, 50.0355



33.6964, 34.9252, 24.6886



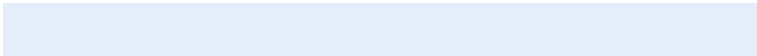
29.5647, 34.9252, 28.1132

Sweetspot

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



32.7004, 34.9266, 55.4707



79.5255, 84.2497, 102.4307



36.1438, 46.1428, 43.2713



16.6967, 17.7059, 21.9229



92.9021, 97.7402, 106.4391



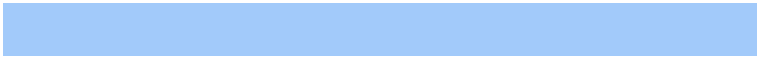
19.4759, 20.4902, 22.3138

Same Dimension

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



32.7004, 34.9266, 55.4707



53.4274, 57.0208, 98.5505



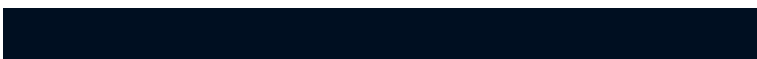
28.8953, 26.8542, 54.1131



9.8983, 10.4880, 12.7875



8.8034, 7.3633, 34.5139



0.4492, 0.4558, 1.5142

Inverse Universe

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



37.3190, 31.5553, 38.3079



63.0859, 50.5798, 62.5225



45.0256, 51.0075, 30.7657



10.2600, 10.1526, 11.4596



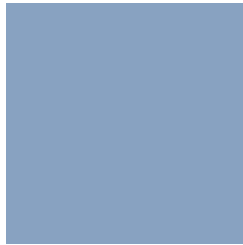
15.8395, 8.0256, 7.0670



0.7191, 0.3607, 0.4882

Previews

White Background



This preview shows how the XYZ color 32.6993, 34.9252, 55.4699 looks on a white background.

Color Contrast Check

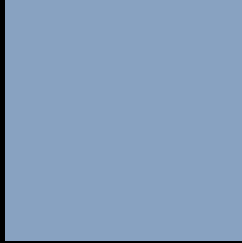
Large Text (above 18pt) WCAG AA × Fail

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 32.6993, 34.9252, 55.4699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

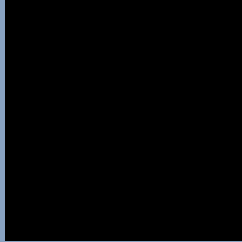
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

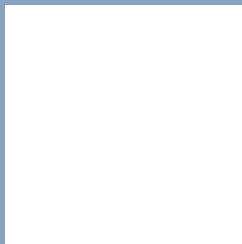
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.6993, 34.9252, 55.4699

Background



This preview shows how black text looks on a background with the XYZ color 32.6993, 34.9252, 55.4699.

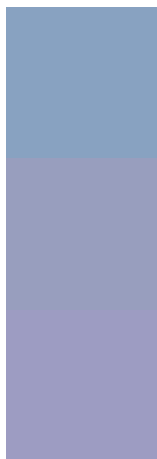


This preview shows how white text looks on a background with the XYZ color 32.6993, 34.9252,

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

32.6993, 34.9252, 55.4699

Protanopia

34.4700, 34.8468, 53.6245

Deuteranopia

35.5307, 34.8401, 55.8911



Tritanopia

31.1639, 35.1112, 47.2541

Trichromacy



Original Color

32.6993, 34.9252, 55.4699

Protanomaly

33.6562, 34.6689, 54.2081

Deuteranomaly

34.3589, 34.7383, 55.9332

Tritanomaly

31.6542, 35.0381, 49.8944

Monochromacy



Original Color

32.6993, 34.9252, 55.4699

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.3265, 34.2206, 43.4295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6993, 34.9252, 55.4699 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(136, 162, 193)` looks like.

```
.text, #text, p{  
    color:rgb(136, 162, 193)  
}
```

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(136, 162, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 162, 193) }
```

Border

The CSS property to change the border of an element to XYZ 32.6993, 34.9252, 55.4699 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(136, 162, 193) }
```


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

```
.border{ border-color:rgb(136, 162, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 162, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 162, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 162, 193);  
box-shadow:4px 4px 4px 4px rgb(136, 162,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 32.6993, 34.9252, 55.4699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 162, 193) }
```

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

```
.background{ background-color: rgb(136,  
162, 193) }
```

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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