

Converting Colors

XYZ(32.1014, 33.6870, 62.5683)

Have a look what the booklet for
XYZ(32.1014, 33.6870, 62.5683)
contains.

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Color

**XYZ(32.1700, 33.7161,
62.5699)**

Conversions

Conversions Part 1

Format	Color
Hex	7F9FCD
RGB	127, 159, 205
RGB Percent	50%, 62%, 80%
CMY	0.5019, 0.3765, 0.1961
CMYK	0.38, 0.22, 0.00, 0.20
HSL	215°, 44%, 65%
HSV	215°, 38%, 80%
XYZ	32.1700, 33.7161, 62.5699
YIQ	154.6760, -33.8380, 7.5220

Conversions

Conversions Part 2

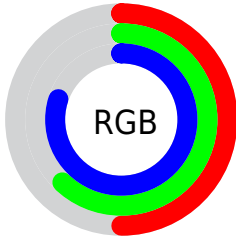
Format	Color
R _Y B	127, 150, 205
Decimal	8363981
CIE Lab	64.74, 0.45, -27.08
CIE LCh	65, 27.080, 270.947
Yxy	33.7161, 0.2504, 0.2625
Android (android.graphics.Color)	4286554061 (0xFF7F9FCD)
YUV	154.6760, 24.8097, -24.2719
Hunter-Lab	58.0656, -2.7206, -23.2434

Details

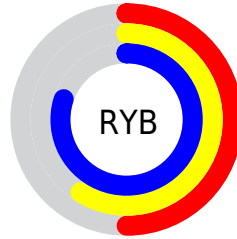
The XYZ color **32.1700, 33.7161, 62.5699** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **43.9520, 44.3994, 26.3333**, and the grayscale version is **30.9182, 32.5284, 35.4234**.

A 20% lighter version of the original color is **61.3880, 65.2582, 103.9683**, and **13.7725, 14.4153, 31.3347** is the 20% darker color. If you saturate the color by 10%, you get **27.4437, 28.3434, 61.7826**, and if you desaturate by 10%, it is **37.7231, 39.8183, 63.4557**.

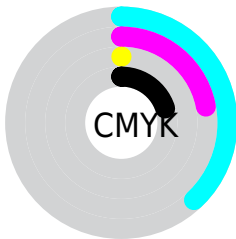
Distribution



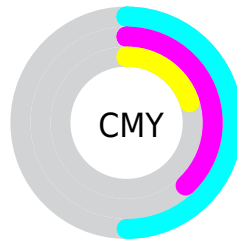
- Red (50%)
- Green (62%)
- Blue (80%)



- Red (50%)
- Yellow (59%)
- Blue (80%)



- Cyan (38%)
- Magenta (22%)
- Yellow (0%)
- Black (20%)



- Cyan (50%)
- Magenta (38%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1700, 33.7161, 62.5699 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 32.1700, 33.7161, 62.5699 by changing the saturation by 10% instead.

■ 32.1700, 33.7161,
62.5699

■ 32.1700, 33.7161,
62.5699

303.6245,
318.8643, 452.0718

■ 21.6476, 22.6756,
45.0546

■ 62.4409, 65.4919,
110.1283

■ 13.7133, 14.3541,
31.1572

■ 82.9201, 86.9961,
141.0086

■ 8.0019, 8.3674,
20.4591

■ 107.4488,
112.7568, 177.1808

■ 4.1480, 4.3309,
12.5418

136.3926,
143.1586, 219.0637

■ 1.7862, 1.8603,
6.9868

170.1167,
178.5859, 267.0757

■ 0.5093, 0.5244,
3.3755

208.9865,

■ 0.0000, 0.0000,

219.4230, 321.6353

1.2894

253.3673,
266.0543, 383.1612

■ 0.0000, 0.0000,
0.0531

■ 0.0000, 0.0000,
0.0000

■ 32.1700, 33.7161,
62.5699

■ 32.1700, 33.7161,
62.5699

■ 27.4437, 28.3434,
61.7826

■ 37.7231, 39.8183,
63.4557

■ 23.4970, 23.6652,
61.0876

■ 44.1399, 46.6753,
64.4410

■ 20.2830, 19.6489,
60.4818

■ 51.4590, 54.3155,
65.5299

■ 17.7476, 16.2572,
59.9607

■ 59.7157, 62.7648,
66.7256

■ 15.8281, 13.4477,
59.5196

■ 68.9432, 72.0477,
68.0311

■ 14.4347, 11.1637,
59.1522

■ 79.1729, 82.1877,
69.4491

■ 14.1980, 10.7646,
59.0877

■ 84.4992, 90.1472,
70.7047

■ 88.0196, 97.1878,
71.8782

Harmonies

Analogous

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



28.5489, 33.7161, 58.8057



32.1700, 33.7161, 62.5699



36.0492, 33.7161, 58.3220

Triad

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



32.1700, 33.7161, 62.5699



38.8998, 33.7161, 26.7588



25.9413, 33.7161, 27.2589

Complementary

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



32.1700, 33.7161, 62.5699



43.9520, 44.3994, 26.3333

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.



28.3510, 33.7161, 21.2315



32.1700, 33.7161, 62.5699



35.8180, 33.7161, 20.9865

Square

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



32.1700, 33.7161, 62.5699



40.1231, 33.7161, 36.3580



31.9226, 33.7161, 19.1858



25.1331, 33.7161, 37.0665

Rectangle

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



32.1700, 33.7161, 62.5699



38.2137, 33.7161, 51.9314



31.9226, 33.7161, 19.1858



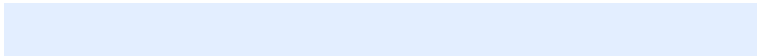
26.5807, 33.7161, 24.7996

Sweetspot

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



32.1711, 33.7174, 62.5707



80.4208, 84.9588, 106.7678



38.0792, 51.1733, 47.1534



16.8557, 17.8122, 22.7997



0.0000, 0.0000, 0.0000



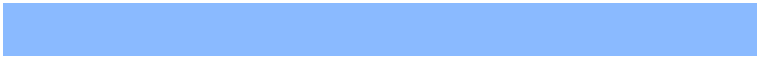
20.3446, 21.4041, 23.3091

Same Dimension

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



32.1711, 33.7174, 62.5707



46.0034, 47.6413, 101.3788



28.3619, 24.6151, 61.0145



10.9734, 11.5873, 14.2286



8.9272, 6.8784, 36.8134



0.5347, 0.5031, 1.9239

Inverse Universe

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



39.0252, 30.6622, 36.6638



59.1297, 42.8887, 51.5180



49.0836, 57.2695, 28.5470



11.3999, 11.2887, 12.6407



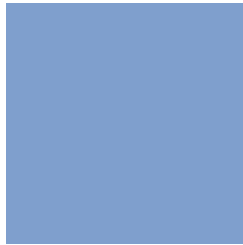
16.7169, 8.4974, 6.2281



0.8998, 0.4533, 0.5183

Previews

White Background



This preview shows how the XYZ color 32.1700, 33.7161, 62.5699 looks on a white background.

Color Contrast Check

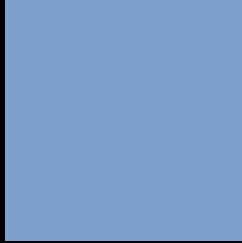
Large Text (above 18pt) WCAG AA × Fail

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 32.1700, 33.7161, 62.5699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

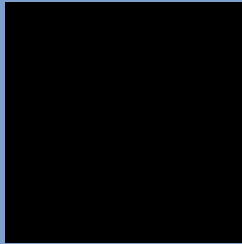
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

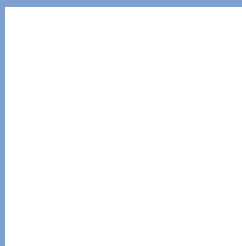
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.1700, 33.7161, 62.5699

Background



This preview shows how black text looks on a background with the XYZ color 32.1700, 33.7161, 62.5699.



This preview shows how white text looks on a background with the XYZ color 32.1700, 33.7161,

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

32.1700, 33.7161, 62.5699

Protanopia

33.8836, 33.6362, 60.5837

Deuteranopia

34.3732, 33.5872, 63.0638



Tritanopia

28.9570, 33.7183, 46.5771

Trichromacy



Original Color

32.1700, 33.7161, 62.5699

Protanomaly

33.1492, 33.4920, 61.2174

Deuteranomaly

33.5103, 33.6364, 63.1188

Tritanomaly

30.0583, 33.6395, 51.9225

Monochromacy



Original Color

32.1700, 33.7161, 62.5699

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.1083, 32.8138, 44.2293

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1700, 33.7161, 62.5699 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(127, 159, 205)` looks like.

```
.text, #text, p{  
    color:rgb(127, 159, 205)  
}
```

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(127, 159, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 159, 205) }
```

Border

The CSS property to change the border of an element to XYZ 32.1700, 33.7161, 62.5699 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(127, 159, 205) }
```


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

```
.border{ border-color:rgb(127, 159, 205) }
```

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

Here you see how a box with a 4 pixel rgb(127, 159, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 159, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 159, 205);  
box-shadow:4px 4px 4px 4px rgb(127, 159,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1700, 33.7161, 62.5699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 159, 205) }
```

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

```
.background{ background-color: rgb(127,  
159, 205) }
```

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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