

Converting Colors

XYZ(32.1339, 34.7382, 68.6295)

Have a look what the booklet for
XYZ(32.1339, 34.7382, 68.6295)
contains.

XYZ(32.2231, 34.9167, 68.6596)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.2231, 34.9167,
68.6596)**

Conversions

Conversions Part 1

Format	Color
Hex	71A4D6
RGB	113, 164, 214
RGB Percent	44%, 64%, 84%
CMY	0.5568, 0.3569, 0.1608
CMYK	0.47, 0.23, 0.00, 0.16
HSL	210°, 55%, 64%
HSV	210°, 47%, 84%
XYZ	32.2231, 34.9167, 68.6596
YIQ	154.4510, -46.4460, 4.7380

Conversions

Conversions Part 2

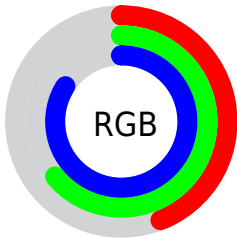
Format	Color
R _Y B	113, 147, 214
Decimal	7447766
CIE Lab	65.68, -3.44, -30.67
CIE LCh	66, 30.864, 263.595
Yxy	34.9167, 0.2373, 0.2571
Android (android.graphics.Color)	4285637846 (0xFF71A4D6)
YUV	154.4510, 29.3577, -36.3525
Hunter-Lab	59.0904, -6.0687, -27.5283

Details

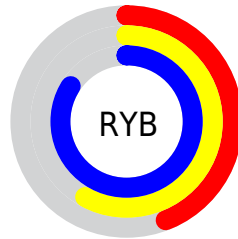
The XYZ color **32.2231, 34.9167, 68.6596** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **43.8104, 41.6839, 21.3608**, and the grayscale version is **30.8039, 32.4081, 35.2924**.

A 20% lighter version of the original color is **59.7437, 66.3181, 104.2596**, and **13.6831, 14.9323, 34.9619** is the 20% darker color. If you saturate the color by 10%, you get **27.9702, 30.0266, 67.9405**, and if you desaturate by 10%, it is **37.2854, 40.4600, 69.4634**.

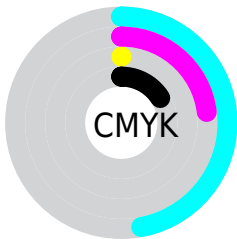
Distribution



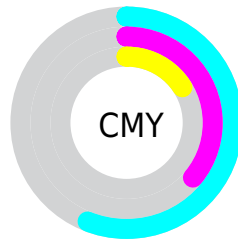
- Red (44%)
- Green (64%)
- Blue (84%)



- Red (44%)
- Yellow (58%)
- Blue (84%)



- Cyan (47%)
- Magenta (23%)
- Yellow (0%)
- Black (16%)



- Cyan (56%)
- Magenta (36%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2231, 34.9167, 68.6596 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 32.2231, 34.9167, 68.6596 by changing the saturation by 10% instead.

■ 32.2231, 34.9167,
68.6596

■ 32.2231, 34.9167,
68.6596

303.8616,
324.2005, 474.4909

■ 21.6883, 23.5987,
49.9645

■ 62.5235, 67.3567,
118.9584

■ 13.7434, 15.0362,
35.0142

■ 83.0199, 89.2475,
151.3991

■ 8.0229, 8.8448,
23.3902

■ 107.5675,
115.4314, 189.2588

■ 4.1615, 4.6401,
14.6739

136.5317,
146.2927, 232.9561

■ 1.7939, 2.0377,
8.4468

170.2778,
182.2159, 282.9093

■ 0.5140, 0.6292,
4.2903

209.1713,

■ 0.0000, 0.0000,

223.5853, 339.5372

1.7859

253.5774,
270.7854, 403.2582

■ 0.0000, 0.0000,
0.4186

■ 0.0000, 0.0000,
0.0000

■ 32.2231, 34.9167,
68.6596

■ 32.2231, 34.9167,
68.6596

■ 27.9702, 30.0266,
67.9405

■ 37.2854, 40.4600,
69.4634

■ 24.4729, 25.7541,
67.3002

■ 43.1991, 46.6814,
70.3526

■ 21.6761, 22.0656,
66.7356

■ 50.0073, 53.6092,
71.3309

■ 19.5142, 18.9212,
66.2426

■ 57.7488, 61.2685,
72.4013

■ 17.9009, 16.2698,
65.8159

■ 66.4603, 69.6833,
73.5664

■ 17.5066, 15.5929,
65.7060

■ 76.1762, 78.8762,
74.8287

■ 83.9992, 87.3581,
76.0536

■ 87.1778, 93.7153,
77.1131

■ 89.1377, 97.6351,
77.7664

Harmonies

Analogous

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



28.2723, 34.9167, 61.8922



32.2231, 34.9167, 68.6596



36.8046, 34.9167, 65.8319

Triad

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



32.2231, 34.9167, 68.6596



41.8449, 34.9167, 28.8657



26.6469, 34.9167, 25.0297

Complementary

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



32.2231, 34.9167, 68.6596



43.8104, 41.6839, 21.3608

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.



29.8151, 34.9167, 19.4050



32.2231, 34.9167, 68.6596



38.6412, 34.9167, 21.2410

Square

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



32.2231, 34.9167, 68.6596



42.6378, 34.9167, 40.8756



34.1705, 34.9167, 18.1961



25.2478, 34.9167, 35.2975

Rectangle

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



32.2231, 34.9167, 68.6596



39.5765, 34.9167, 59.1459



34.1705, 34.9167, 18.1961



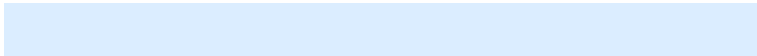
27.5256, 34.9167, 22.6371

Sweetspot

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



32.2243, 34.9180, 68.6604



77.7327, 83.0844, 106.5477



37.3630, 54.2068, 42.5920



16.1210, 17.2678, 22.7333



0.0000, 0.0000, 0.0000



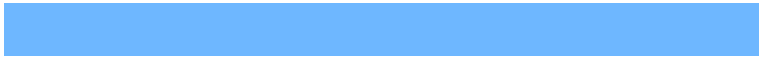
20.3446, 21.4041, 23.3091

Same Dimension

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



32.2243, 34.9180, 68.6604



41.3797, 44.3980, 100.9965



25.0435, 20.5564, 66.2668



12.2557, 13.0347, 15.8075



10.6859, 9.6335, 39.7494



0.7273, 0.7466, 2.4251

Inverse Universe

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



40.3385, 28.7879, 38.5538



55.3301, 35.7572, 48.8098



54.3357, 62.7346, 24.8692



12.6822, 12.5244, 14.2669



18.4526, 9.3174, 9.6873



1.1548, 0.5787, 0.8043

Previews

White Background



This preview shows how the XYZ color 32.2231, 34.9167, 68.6596 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 32.2231, 34.9167, 68.6596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

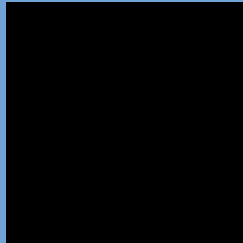
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.2231, 34.9167, 68.6596

Background



This preview shows how black text looks on a background with the XYZ color 32.2231, 34.9167, 68.6596.

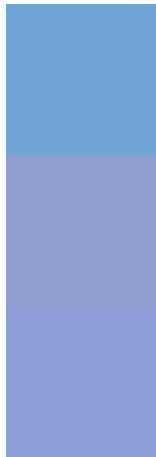


This preview shows how white text looks on a background with the XYZ color 32.2231, 34.9167,

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

32.2231, 34.9167, 68.6596

Protanopia

35.2426, 34.7371, 65.1691

Deuteranopia

35.6070, 34.8226, 69.8105



Tritanopia

28.6309, 35.1114, 50.0679

Trichromacy



Original Color

32.2231, 34.9167, 68.6596

Protanomaly

34.0015, 34.8313, 66.5591

Deuteranomaly

34.1966, 34.8732, 69.2188

Tritanomaly

29.8036, 35.0261, 56.2288

Monochromacy



Original Color

32.2231, 34.9167, 68.6596

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.7108, 33.0773, 45.8402

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2231, 34.9167, 68.6596 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(113, 164, 214)` looks like.

```
.text, #text, p{  
    color:rgb(113, 164, 214)  
}
```

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(113, 164, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 164, 214) }
```

Border

The CSS property to change the border of an element to XYZ 32.2231, 34.9167, 68.6596 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(113, 164, 214) }
```


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

```
.border{ border-color:rgb(113, 164, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 164, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 164, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 164, 214);  
box-shadow:4px 4px 4px 4px rgb(113, 164,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2231, 34.9167, 68.6596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 164, 214) }
```

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

```
.background{ background-color: rgb(113,  
164, 214) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor