

Converting Colors

XYZ(32.3140, 35.4064, 63.0895)

Have a look what the booklet for
XYZ(32.3140, 35.4064, 63.0895)
contains.

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Color

**XYZ(32.2203, 35.3111,
62.8751)**

Conversions

Conversions Part 1

Format	Color
Hex	78A5CD
RGB	120, 165, 205
RGB Percent	47%, 65%, 80%
CMY	0.5294, 0.3529, 0.1961
CMYK	0.41, 0.20, 0.00, 0.20
HSL	208°, 46%, 64%
HSV	208°, 41%, 80%
XYZ	32.2203, 35.3111, 62.8751
YIQ	156.1050, -39.6600, 2.9000

Conversions

Conversions Part 2

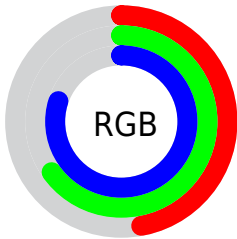
Format	Color
RYB	120, 149, 205
Decimal	7906765
CIELab	65.99, -4.77, -25.18
CIElCh	66, 25.633, 259.266
Yxy	35.3111, 0.2471, 0.2708
Android (android.graphics.Color)	4286096845 (0xFF78A5CD)
YUV	156.1050, 24.1052, -31.6641
Hunter-Lab	59.4231, -7.2046, -21.1380

Details

The XYZ color **32.2203, 35.3111, 62.8751** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **41.1386, 39.4777, 23.2222**, and the grayscale version is **31.5562, 33.1996, 36.1544**.

A 20% lighter version of the original color is **61.3224, 67.5204, 104.4084**, and **13.7378, 15.2029, 31.4885** is the 20% darker color. If you saturate the color by 10%, you get **28.0010, 30.6502, 62.1985**, and if you desaturate by 10%, it is **37.1818, 40.5509, 63.6256**.

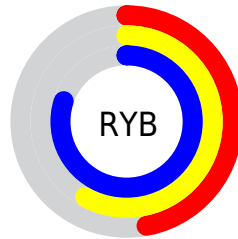
Distribution



Red (47%)

Green (65%)

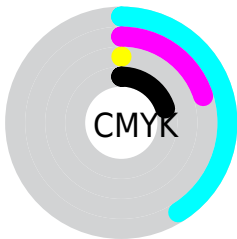
Blue (80%)



Red (47%)

Yellow (58%)

Blue (80%)

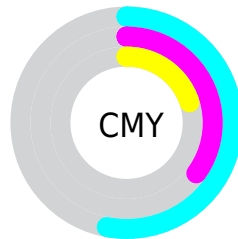


Cyan (41%)

Magenta (20%)

Yellow (0%)

Black (20%)



Cyan (53%)

Magenta (35%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2203, 35.3111, 62.8751 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 32.2203, 35.3111, 62.8751 by changing the saturation by 10% instead.

■ 32.2203, 35.3111,
62.8751

■ 32.2203, 35.3111,
62.8751

303.8491,
325.9394, 453.2115

■ 21.6862, 23.9026,
45.2998

■ 62.5192, 67.9674,
110.5731

■ 13.7418, 15.2614,
31.3490

■ 83.0146, 89.9841,
141.5330

■ 8.0218, 9.0030,
20.6040

■ 107.5612,
116.3056, 177.7914

■ 4.1608, 4.7432,
12.6465

136.5243,
147.3163, 219.7670

■ 1.7935, 2.0974,
7.0577

170.2693,
183.4006, 267.8782

■ 0.5138, 0.6631,
3.4192

209.1615,

■ 0.0000, 0.0000,

224.9430, 322.5437

1.3125

253.5663,
272.3278, 384.1820

■ 0.0000, 0.0000,
0.0720

■ 0.0000, 0.0000,
0.0000

■ 32.2203, 35.3111,
62.8751

■ 32.2203, 35.3111,
62.8751

■ 28.0010, 30.6502,
62.1985

■ 37.1818, 40.5509,
63.6256

■ 24.4784, 26.5384,
61.5905

■ 42.9205, 46.3897,
64.4502

■ 21.6068, 22.9483,
61.0489

■ 49.4733, 52.8512,
65.3520

■ 19.3330, 19.8480,
60.5703

■ 56.8735, 59.9564,
66.3334

■ 17.5941, 17.2002,
60.1509

■ 65.1525, 67.7253,
67.3966

■ 16.4383, 15.2453,
59.8345

■ 74.3401, 76.1770,
68.5437

■ 81.2661, 83.6808,
69.6270

■ 84.0649, 89.2785,
70.5600

■ 87.0152, 95.1791,
71.5434

Harmonies

Analogous

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



29.0187, 35.3111, 56.5734



32.2203, 35.3111, 62.8751



36.0299, 35.3111, 61.7638

Triad

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



32.2203, 35.3111, 62.8751



40.9388, 35.3111, 31.9514



28.3269, 35.3111, 26.3510

Complementary

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



32.2203, 35.3111, 62.8751



41.1386, 39.4777, 23.2222

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.



31.2097, 35.3111, 21.8909



32.2203, 35.3111, 62.8751



38.5567, 35.3111, 24.6773

Square

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



32.2203, 35.3111, 62.8751



41.2607, 35.3111, 42.4761



34.9407, 35.3111, 21.3423



26.8862, 35.3111, 34.6825

Rectangle

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



32.2203, 35.3111, 62.8751



38.3998, 35.3111, 57.0200



34.9407, 35.3111, 21.3423



29.1489, 35.3111, 24.4220

Sweetspot

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



32.2215, 35.3124, 62.8759



80.2517, 85.8054, 106.9401



35.8941, 50.1829, 40.9006



16.8591, 18.0555, 22.8464



0.0000, 0.0000, 0.0000



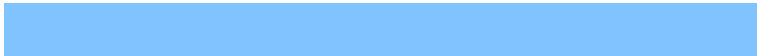
20.3446, 21.4041, 23.3091

Same Dimension

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



32.2215, 35.3124, 62.8759



46.3923, 50.8011, 101.9682



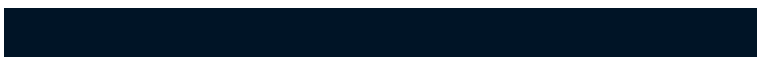
25.8286, 22.5267, 60.7450



11.0852, 11.8107, 14.2658



10.3293, 9.6826, 37.2808



0.6085, 0.6507, 1.9485

Inverse Universe

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



38.6858, 29.1298, 39.1823



58.7445, 40.5084, 56.3529



49.7274, 56.6552, 26.0851



11.4563, 11.3113, 12.9377



17.4247, 8.7805, 9.9550



0.9371, 0.4682, 0.7146

Previews

White Background



This preview shows how the XYZ color 32.2203, 35.3111, 62.8751 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 32.2203, 35.3111, 62.8751 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 32.2203, 35.3111, 62.8751

Background



This preview shows how black text looks on a background with the XYZ color 32.2203, 35.3111, 62.8751.



This preview shows how white text looks on a background with the XYZ color 32.2203, 35.3111,

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

32.2203, 35.3111, 62.8751

Protanopia

35.2299, 35.1079, 59.5633

Deuteranopia

35.8971, 35.1030, 63.9151



Tritanopia

29.6746, 35.3722, 50.0633

Trichromacy



Original Color

32.2203, 35.3111, 62.8751

Protanomaly

34.0530, 35.2430, 60.8849

Deuteranomaly

34.3588, 35.0868, 63.3540

Tritanomaly

30.6091, 35.4799, 54.5252

Monochromacy



Original Color

32.2203, 35.3111, 62.8751

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.3658, 33.6919, 44.8944

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2203, 35.3111, 62.8751 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(120, 165, 205)` looks like.

```
.text, #text, p{  
    color:rgb(120, 165, 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(120, 165, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 165, 205) }
```

Border

The CSS property to change the border of an element to XYZ 32.2203, 35.3111, 62.8751 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(120, 165, 205) }
```


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

```
.border{ border-color:rgb(120, 165, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 165, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 165, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 165, 205);  
box-shadow:4px 4px 4px 4px rgb(120, 165,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2203, 35.3111, 62.8751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 165, 205) }
```

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

```
.background{ background-color: rgb(120,  
165, 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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