

Converting Colors

XYZ(31.9928, 35.7187, 64.6902)

Have a look what the booklet for
XYZ(31.9928, 35.7187, 64.6902)
contains.

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Color

**XYZ(32.0139, 35.7022,
64.8784)**

Conversions

Conversions Part 1

Format	Color
Hex	71A7D0
RGB	113, 167, 208
RGB Percent	44%, 65%, 82%
CMY	0.5568, 0.3451, 0.1843
CMYK	0.46, 0.20, 0.00, 0.18
HSL	206°, 50%, 63%
HSV	206°, 46%, 82%
XYZ	32.0139, 35.7022, 64.8784
YIQ	155.5280, -45.3450, 1.3030

Conversions

Conversions Part 2

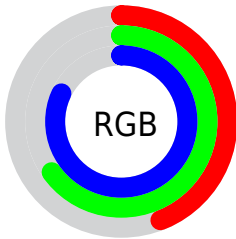
Format	Color
RYB	113, 147, 208
Decimal	7448528
CIELab	66.29, -6.82, -26.41
CIELCh	66, 27.281, 255.523
Yxy	35.7022, 0.2414, 0.2693
Android (android.graphics.Color)	4285638608 (0xFF71A7D0)
YUV	155.5280, 25.8687, -37.2971
Hunter-Lab	59.7513, -8.9271, -22.5516

Details

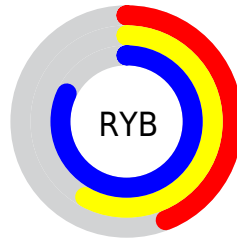
The XYZ color **32.0139, 35.7022, 64.8784** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **40.5495, 37.7143, 20.7663**, and the grayscale version is **31.2939, 32.9236, 35.8539**.

A 20% lighter version of the original color is **60.5335, 67.8976, 104.5228**, and **13.5678, 15.4312, 32.4004** is the 20% darker color. If you saturate the color by 10%, you get **28.0506, 31.3025, 64.2387**, and if you desaturate by 10%, it is **36.7069, 40.6490, 65.5865**.

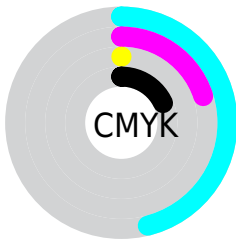
Distribution



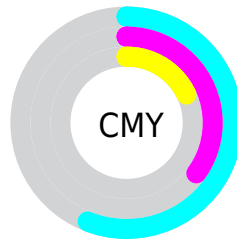
- Red (44%)
- Green (65%)
- Blue (82%)



- Red (44%)
- Yellow (58%)
- Blue (82%)



- Cyan (46%)
- Magenta (20%)
- Yellow (0%)
- Black (18%)



- Cyan (56%)
- Magenta (35%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0139, 35.7022, 64.8784 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 32.0139, 35.7022, 64.8784 by changing the saturation by 10% instead.

■ 32.0139, 35.7022,
64.8784

■ 32.0139, 35.7022,
64.8784

302.9267,
327.6570, 460.6491

■ 21.5277, 24.2043,
46.9118

■ 62.1979, 68.5722,
113.4866

■ 13.6249, 15.4852,
32.6121

■ 82.6265, 90.7130,
144.9653

■ 7.9402, 9.1606,
21.5607

■ 107.0999,
117.1703, 181.7850

■ 4.1082, 4.8461,
13.3393

135.9834,
148.3284, 224.3644

■ 1.7635, 2.1573,
7.5291

169.6426,
184.5717, 273.1220

■ 0.4955, 0.6965,
3.7117

208.4426,

■ 0.0000, 0.0000,

226.2847, 328.4763

1.4686

252.7488,
273.8517, 390.8458

■ 0.0000, 0.0000,
0.1944

■ 0.0000, 0.0000,
0.0000

■ 32.0139, 35.7022,
64.8784

■ 32.0139, 35.7022,
64.8784

■ 28.0506, 31.3025,
64.2387

■ 36.7069, 40.6490,
65.5865

■ 24.7688, 27.4195,
63.6622

■ 42.1668, 46.1632,
66.3631

■ 22.1193, 24.0250,
63.1466

■ 48.4323, 52.2687,
67.2114

■ 20.0442, 21.0855,
62.6886

■ 55.5381, 58.9866,
68.1335

■ 18.4721, 18.5605,
62.2841

■ 63.5170, 66.3368,
69.1317

■ 17.8912, 17.5660,
62.1228

■ 72.4000, 74.3383,
70.2080

■ 80.8776, 82.3188,
71.3016

■ 83.4382, 87.4400,
72.1551

■ 86.1293, 92.8222,
73.0521

Harmonies

Analogous

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



28.7385, 35.7022, 57.1692



32.0139, 35.7022, 64.8784



36.0727, 35.7022, 64.7294

Triad

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



32.0139, 35.7022, 64.8784



42.0509, 35.7022, 33.1760



28.6481, 35.7022, 25.1844

Complementary

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



32.0139, 35.7022, 64.8784



40.5495, 37.7143, 20.7663

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.



31.8813, 35.7022, 21.0234



32.0139, 35.7022, 64.8784



39.7205, 35.7022, 24.9683

Square

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



32.0139, 35.7022, 64.8784



42.0936, 35.7022, 44.7531



35.9291, 35.7022, 20.9532



26.9033, 35.7022, 33.5330

Rectangle

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



32.0139, 35.7022, 64.8784



38.6895, 35.7022, 60.1289



35.9291, 35.7022, 20.9532



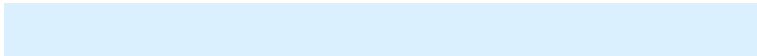
29.5848, 35.7022, 23.3304

Sweetspot

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



32.0151, 35.7035, 64.8793



78.3941, 84.4073, 106.7682



35.0823, 50.9095, 37.9355



16.2821, 17.5900, 22.7870



0.0000, 0.0000, 0.0000



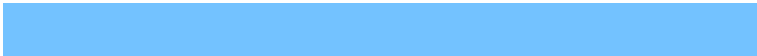
20.3446, 21.4041, 23.3091

Same Dimension

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



32.0151, 35.7035, 64.8793



44.4844, 49.6418, 101.8450



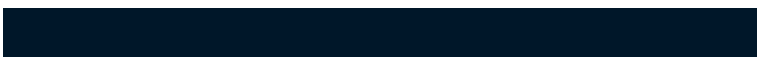
25.0235, 21.7205, 62.5487



11.7134, 12.5170, 15.0423



11.2483, 11.1433, 38.7505



0.7070, 0.7791, 2.1927

Inverse Universe

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



38.8936, 28.0113, 39.9174



57.1330, 37.3808, 55.5212



49.6674, 55.9501, 23.8057



12.0862, 11.9192, 13.7298



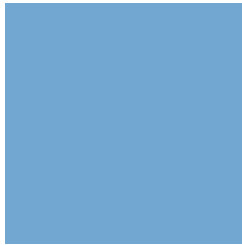
18.3084, 9.1962, 11.7960



1.0631, 0.5299, 0.8670

Previews

White Background



This preview shows how the XYZ color 32.0139, 35.7022, 64.8784 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 32.0139, 35.7022, 64.8784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

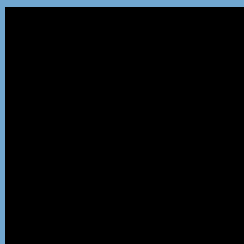
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

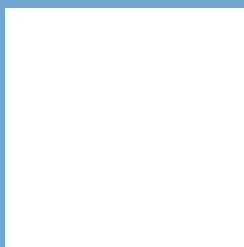
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.0139, 35.7022, 64.8784

Background



This preview shows how black text looks on a background with the XYZ color 32.0139, 35.7022, 64.8784.



This preview shows how white text looks on a background with the XYZ color 32.0139, 35.7022,

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

32.0139, 35.7022, 64.8784

Protanopia

35.6365, 35.5446, 60.8597

Deuteranopia

36.2541, 35.4964, 65.9135



Tritanopia

29.2637, 35.6928, 51.2460

Trichromacy



Original Color

32.0139, 35.7022, 64.8784

Protanomaly

34.1359, 35.5187, 62.1834

Deuteranomaly

34.4068, 35.3274, 65.3270

Tritanomaly

30.3070, 35.8509, 55.7746

Monochromacy



Original Color

32.0139, 35.7022, 64.8784

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.1239, 33.8122, 45.4434

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0139, 35.7022, 64.8784 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, 167, 208)` looks like.

```
.text, #text, p{  
    color:rgb(113, 167, 208)  
}
```

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, 167, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 167, 208) }
```

Border

The CSS property to change the border of an element to XYZ 32.0139, 35.7022, 64.8784 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, 167, 208) }
```


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

```
.border{ border-color:rgb(113, 167, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 167, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 167, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 167, 208);  
box-shadow:4px 4px 4px 4px rgb(113, 167,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0139, 35.7022, 64.8784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 167, 208) }
```

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

```
.background{ background-color: rgb(113,  
167, 208) }
```

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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