

Converting Colors

XYZ(32.7344, 36.8650, 62.5121)

Have a look what the booklet for
XYZ(32.7344, 36.8650, 62.5121)
contains.

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Color

**XYZ(32.7450, 36.9606,
62.5350)**

Conversions

Conversions Part 1

Format	Color
Hex	76AACC
RGB	118, 170, 204
RGB Percent	46%, 67%, 80%
CMY	0.5372, 0.3333, 0.2000
CMYK	0.42, 0.17, 0.00, 0.20
HSL	204°, 46%, 63%
HSV	204°, 42%, 80%
XYZ	32.7450, 36.9606, 62.5350
YIQ	158.3280, -41.9060, -0.4500

Conversions

Conversions Part 2

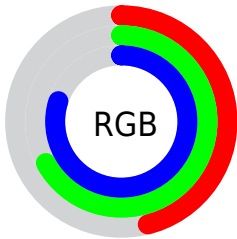
Format	Color
RYB	118, 150, 204
Decimal	7776972
CIELab	67.25, -8.31, -22.72
CIELCh	67, 24.189, 249.904
Yxy	36.9606, 0.2476, 0.2795
Android (android.graphics.Color)	4285967052 (0xFF76AACC)
YUV	158.3280, 22.5163, -35.3677
Hunter-Lab	60.7952, -10.2495, -18.4300

Details

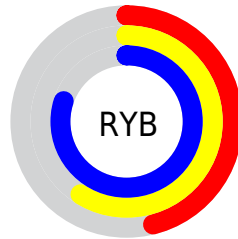
The XYZ color **32.7450, 36.9606, 62.5350** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **39.4009, 36.6027, 22.1291**, and the grayscale version is **32.5638, 34.2597, 37.3088**.

A 20% lighter version of the original color is **62.2088, 69.9547, 104.8316**, and **14.0978, 16.2489, 31.2475** is the 20% darker color. If you saturate the color by 10%, you get **28.8029, 32.7531, 61.9313**, and if you desaturate by 10%, it is **37.3813, 41.6653, 63.1994**.

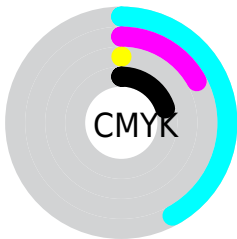
Distribution



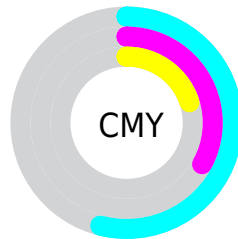
- Red (46%)
- Green (67%)
- Blue (80%)



- Red (46%)
- Yellow (59%)
- Blue (80%)



- Cyan (42%)
- Magenta (17%)
- Yellow (0%)
- Black (20%)



- Cyan (54%)
- Magenta (33%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7450, 36.9606, 62.5350 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 32.7450, 36.9606, 62.5350 by changing the saturation by 10% instead.

■ 32.7450, 36.9606,
62.5350

■ 32.7450, 36.9606,
62.5350

306.1845,
333.1399, 451.9413

■ 22.0895, 25.1770,
45.0266

■ 63.3346, 70.5122,
110.0775

■ 14.0396, 16.2090,
31.1352

■ 83.9993, 93.0489,
140.9486

■ 8.2301, 9.6721,
20.4425

■ 108.7311,
119.9389, 177.1110

■ 4.2956, 5.1821,
12.5299

137.8954,
151.5664, 218.9832

■ 1.8707, 2.3545,
6.9787

171.8576,
188.3158, 266.9838

■ 0.5597, 0.8023,
3.3705

210.9829,

■ 0.0000, 0.0000,

230.5716, 321.5314

1.2868

255.6367,
278.7182, 383.0443

■ 0.0000, 0.0000,
0.0509

■ 0.0000, 0.0000,
0.0000

■ 32.7450, 36.9606,
62.5350

■ 32.7450, 36.9606,
62.5350

■ 28.8029, 32.7531,
61.9313

■ 37.3813, 41.6653,
63.1994

■ 25.5109, 29.0152,
61.3833

■ 42.7453, 46.8844,
63.9241

■ 22.8247, 25.7224,
60.8893

■ 48.8727, 52.6394,
64.7120

■ 20.6926, 22.8453,
60.4464

■ 55.7953, 58.9491,
65.5650

■ 19.0528, 20.3496,
60.0511

■ 63.5433, 65.8312,
66.4850

■ 18.0258, 18.6129,
59.7700

■ 72.1452, 73.3026,
67.4737

■ 79.4602, 80.2617,
68.4314

■ 81.7111, 84.7634,
69.1817

■ 84.0666, 89.4744,
69.9669

Harmonies

Analogous

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



29.9570, 36.9606, 54.7579



32.7450, 36.9606, 62.5350



36.3661, 36.9606, 63.7985

Triad

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



32.7450, 36.9606, 62.5350



42.6035, 36.9606, 36.8448



30.7667, 36.9606, 26.5665

Complementary

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



32.7450, 36.9606, 62.5350



39.4009, 36.6027, 22.1291

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.



33.9222, 36.9606, 23.3440



32.7450, 36.9606, 62.5350



40.8665, 36.9606, 28.5518

Square

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



32.7450, 36.9606, 62.5350



42.2330, 36.9606, 47.6474



37.6280, 36.9606, 24.0008



28.8716, 36.9606, 33.6498

Rectangle

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



32.7450, 36.9606, 62.5350



38.7921, 36.9606, 60.5834



37.6280, 36.9606, 24.0008



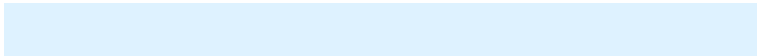
31.7058, 36.9606, 25.0575

Sweetspot

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



32.7462, 36.9620, 62.5359



79.8490, 86.1674, 107.0312



34.6483, 49.2714, 36.9493



16.5876, 17.9748, 22.8452



0.0000, 0.0000, 0.0000



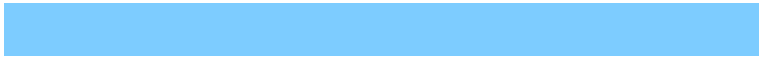
20.3446, 21.4041, 23.3091

Same Dimension

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



32.7462, 36.9620, 62.5359



47.9947, 54.5654, 102.6103



26.0949, 23.6594, 60.3188



11.1566, 11.9536, 14.2896



11.4385, 11.9011, 37.6505



0.6628, 0.7595, 1.9666

Inverse Universe

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



38.6370, 28.6977, 41.5344



59.4168, 40.2544, 61.5050



47.4570, 52.7150, 24.8145



11.4924, 11.3257, 13.1276



17.9846, 9.0044, 12.9032



0.9645, 0.4792, 0.8590

Previews

White Background



This preview shows how the XYZ color 32.7450, 36.9606, 62.5350 looks on a white background.

Color Contrast Check

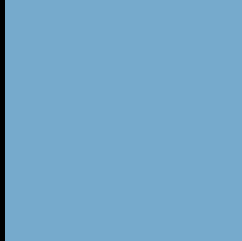
Large Text (above 18pt) WCAG AA × Fail

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 32.7450, 36.9606, 62.5350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

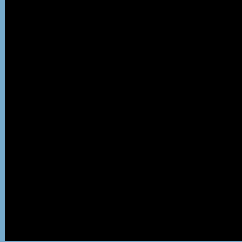
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.7450, 36.9606, 62.5350

Background



This preview shows how black text looks on a background with the XYZ color 32.7450, 36.9606, 62.5350.

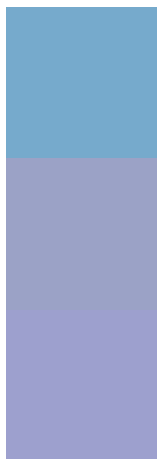


This preview shows how white text looks on a background with the XYZ color 32.7450, 36.9606,

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

32.7450, 36.9606, 62.5350

Protanopia

36.6309, 36.8864, 58.6152

Deuteranopia

37.6160, 36.7659, 63.5065



Tritanopia

30.7233, 36.9857, 52.5334

Trichromacy



Original Color

32.7450, 36.9606, 62.5350

Protanomaly

35.0358, 36.8312, 59.9061

Deuteranomaly

35.6226, 36.7983, 62.9829

Tritanomaly

31.4484, 37.0001, 55.9363

Monochromacy



Original Color

32.7450, 36.9606, 62.5350

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.9859, 34.7754, 45.5839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7450, 36.9606, 62.5350 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(118, 170, 204)` looks like.

```
.text, #text, p{  
    color:rgb(118, 170, 204)  
}
```

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(118, 170, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 170, 204) }
```

Border

The CSS property to change the border of an element to XYZ 32.7450, 36.9606, 62.5350 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(118, 170, 204) }
```


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

```
.border{ border-color:rgb(118, 170, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 170, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 170, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 170, 204);  
box-shadow:4px 4px 4px 4px rgb(118, 170,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7450, 36.9606, 62.5350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 170, 204) }
```

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

```
.background{ background-color: rgb(118,  
170, 204) }
```

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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