

Converting Colors

XYZ(33.7225, 36.7664, 62.1155)

Have a look what the booklet for
XYZ(33.7225, 36.7664, 62.1155)
contains.

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Color

**XYZ(33.6515, 36.6164,
61.7940)**

Conversions

Conversions Part 1

Format	Color
Hex	81A7CB
RGB	129, 167, 203
RGB Percent	51%, 65%, 80%
CMY	0.4941, 0.3451, 0.2039
CMYK	0.36, 0.18, 0.00, 0.20
HSL	209°, 42%, 65%
HSV	209°, 36%, 80%
XYZ	33.6515, 36.6164, 61.7940
YIQ	159.7420, -34.2040, 3.1400

Conversions

Conversions Part 2

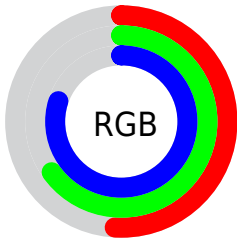
Format	Color
R_{YB}	129, 154, 203
Decimal	8497099
CIE Lab	66.99, -3.99, -22.50
CIE LCh	67, 22.854, 259.949
Yxy	36.6164, 0.2548, 0.2773
Android (android.graphics.Color)	4286687179 (0xFF81A7CB)
YUV	159.7420, 21.3262, -26.9607
Hunter-Lab	60.5115, -6.6281, -18.1886

Details

The XYZ color **33.6515, 36.6164, 61.7940** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **42.0469, 41.1924, 26.5049**, and the grayscale version is **33.2121, 34.9418, 38.0516**.

A 20% lighter version of the original color is **63.9384, 69.6529, 104.6822**, and **14.5360, 15.9679, 30.7498** is the 20% darker color. If you saturate the color by 10%, you get **29.1284, 31.7014, 61.0844**, and if you desaturate by 10%, it is **38.9277, 42.1263, 62.5801**.

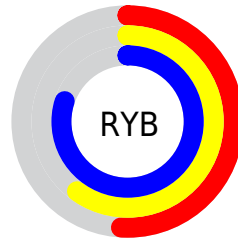
Distribution



Red (51%)

Green (65%)

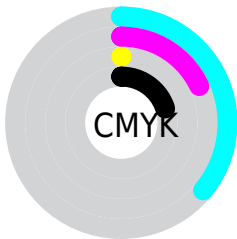
Blue (80%)



Red (51%)

Yellow (60%)

Blue (80%)

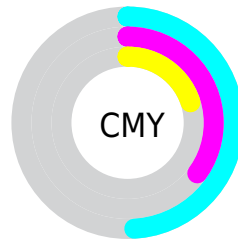


Cyan (36%)

Magenta (18%)

Yellow (0%)

Black (20%)



Cyan (49%)

Magenta (35%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6515, 36.6164, 61.7940 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 33.6515, 36.6164, 61.7940 by changing the saturation by 10% instead.

■ 33.6515, 36.6164,
61.7940

■ 33.6515, 36.6164,
61.7940

310.1886,
331.6468, 449.1662

■ 22.7876, 24.9106,
44.4316

■ 64.7393, 69.9824,
108.9965

■ 14.5566, 16.0105,
30.6702

■ 85.6938, 92.4114,
139.6735

■ 8.5931, 9.5316,
20.0915

■ 110.7427,
119.1837, 175.6259

■ 4.5317, 5.0895,
12.2768

140.2512,
150.6835, 217.2721

■ 2.0071, 2.2999,
6.8077

174.5847,
187.2953, 265.0307

■ 0.6380, 0.7736,
3.2655

214.1085,

■ 0.0000, 0.0000,

229.4036, 319.3202

1.2318

259.1880,
277.3926, 380.5592

■ 0.0000, 0.0000,
0.0049

■ 0.0000, 0.0000,
0.0000

■ 33.6515, 36.6164,
61.7940

■ 33.6515, 36.6164,
61.7940

■ 29.1284, 31.7014,
61.0844

■ 38.9277, 42.1263,
62.5801

■ 25.3154, 27.3523,
60.4458

■ 44.9898, 48.2502,
63.4426

■ 22.1700, 23.5431,
59.8764

■ 51.8730, 55.0110,
64.3848

■ 19.6436, 20.2440,
59.3728

■ 59.6091, 62.4296,
65.4090

■ 17.6795, 17.4207,
58.9313

■ 68.2281, 70.5252,
66.5173

■ 16.2061, 15.0309,
58.5477

■ 77.7587, 79.3167,
67.7119

■ 15.7548, 14.2622,
58.4231

■ 82.0529, 85.6384,
68.7058

■ 84.9775, 91.4875,
69.6807

■ 87.7796, 97.0918,
70.6147

Harmonies

Analogous

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



30.6844, 36.6164, 56.3539



33.6515, 36.6164, 61.7940



37.1287, 36.6164, 60.6585

Triad

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



33.6515, 36.6164, 61.7940



41.4574, 36.6164, 33.6997



29.9422, 36.6164, 28.7960

Complementary

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



33.6515, 36.6164, 61.7940



42.0469, 41.1924, 26.5049

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.



32.5761, 36.6164, 24.4722



33.6515, 36.6164, 61.7940



39.2741, 36.6164, 26.9602

Square

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



33.6515, 36.6164, 61.7940



41.7930, 36.6164, 43.2971



35.9800, 36.6164, 23.8612



28.6390, 36.6164, 36.6269

Rectangle

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



33.6515, 36.6164, 61.7940



39.2642, 36.6164, 56.3815



35.9800, 36.6164, 23.8612



30.6928, 36.6164, 26.9434

Sweetspot

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



33.6527, 36.6178, 61.7949



81.2731, 86.6634, 107.0519



37.1805, 50.0880, 43.1955



17.0585, 18.2179, 22.8673



0.0000, 0.0000, 0.0000



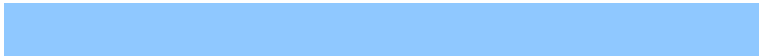
20.3446, 21.4041, 23.3091

Same Dimension

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



33.6527, 36.6178, 61.7949



50.0943, 54.5441, 102.4956



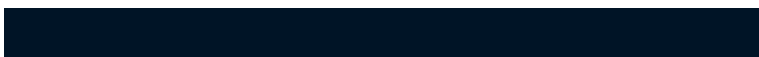
27.8475, 25.0075, 59.8598



11.0702, 11.7807, 14.2608



10.1177, 9.2595, 37.2103



0.5978, 0.6293, 1.9449

Inverse Universe

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



39.4549, 31.1882, 40.5012



61.5067, 45.0346, 60.3507



49.6577, 56.4139, 29.0418



11.4488, 11.3082, 12.8978



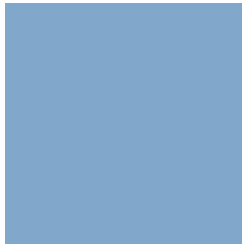
17.3179, 8.7377, 9.3925



0.9317, 0.4661, 0.6861

Previews

White Background



This preview shows how the XYZ color 33.6515, 36.6164, 61.7940 looks on a white background.

Color Contrast Check

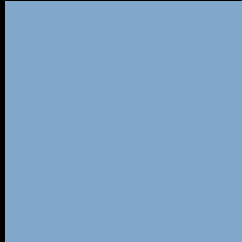
Large Text (above 18pt) WCAG AA × Fail

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 33.6515, 36.6164, 61.7940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

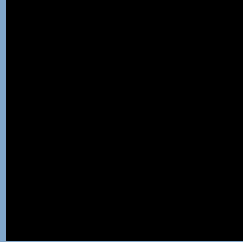
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

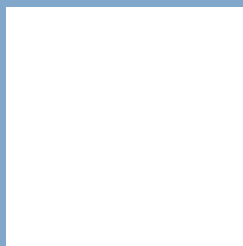
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.6515, 36.6164, 61.7940

Background



This preview shows how black text looks on a background with the XYZ color 33.6515, 36.6164, 61.7940.

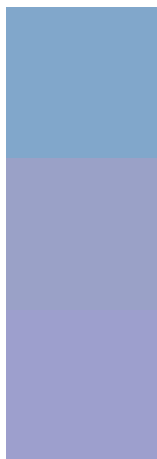


This preview shows how white text looks on a background with the XYZ color 33.6515, 36.6164,

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

33.6515, 36.6164, 61.7940

Protanopia

36.3801, 36.4833, 59.1574

Deuteranopia

37.3222, 36.3722, 62.8110



Tritanopia

31.3386, 36.4952, 50.7400

Trichromacy



Original Color

33.6515, 36.6164, 61.7940

Protanomaly

35.1996, 36.3843, 59.8112

Deuteranomaly

35.8520, 36.4033, 62.2637

Tritanomaly

32.1961, 36.5731, 54.6526

Monochromacy



Original Color

33.6515, 36.6164, 61.7940

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.3281, 35.7185, 46.2121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6515, 36.6164, 61.7940 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(129, 167, 203)` looks like.

```
.text, #text, p{  
    color:rgb(129, 167, 203)  
}
```

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(129, 167, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 167, 203) }
```

Border

The CSS property to change the border of an element to XYZ 33.6515, 36.6164, 61.7940 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(129, 167, 203) }
```


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

```
.border{ border-color:rgb(129, 167, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 167, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 167, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 167, 203);  
box-shadow:4px 4px 4px 4px rgb(129, 167,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6515, 36.6164, 61.7940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 167, 203) }
```

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

```
.background{ background-color: rgb(129,  
167, 203) }
```

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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