

Converting Colors

XYZ(34.4663, 36.4689, 62.9803)

Have a look what the booklet for
XYZ(34.4663, 36.4689, 62.9803)
contains.

XYZ(34.4663, 36.4689, 62.9803)	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(34.4663, 36.4689,
62.9803)**

Conversions

Conversions Part 1

Format	Color
Hex	87A5CD
RGB	135, 165, 205
RGB Percent	53%, 65%, 80%
CMY	0.4706, 0.3529, 0.1961
CMYK	0.34, 0.20, 0.00, 0.20
HSL	214°, 41%, 67%
HSV	214°, 34%, 80%
XYZ	34.4663, 36.4689, 62.9803
YIQ	160.5900, -30.7200, 6.0800

Conversions

Conversions Part 2

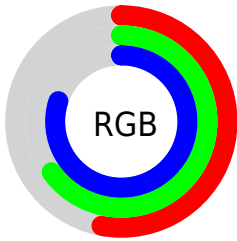
Format	Color
R_{YB}	135, 156, 205
Decimal	8889805
CIE _{Lab}	66.88, -0.68, -23.75
CIE _{LCh}	67, 23.758, 268.370
Yxy	36.4689, 0.2574, 0.2723
Android (android.graphics.Color)	4287079885 (0xFF87A5CD)
YUV	160.5900, 21.8941, -22.4424
Hunter-Lab	60.3895, -3.8057, -19.5610

Details

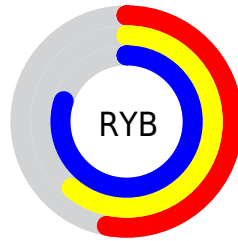
The XYZ color **34.4663, 36.4689, 62.9803** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **44.8809, 45.3893, 29.3185**, and the grayscale version is **33.5991, 35.3489, 38.4949**.

A 20% lighter version of the original color is **64.8784, 69.3535, 104.5749**, and **14.9707, 15.8385, 31.5462** is the 20% darker color. If you saturate the color by 10%, you get **29.4632, 30.8962, 62.1690**, and if you desaturate by 10%, it is **40.3003, 42.7590, 63.8876**.

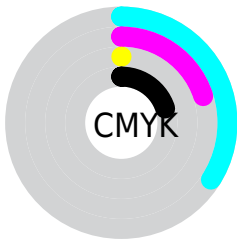
Distribution



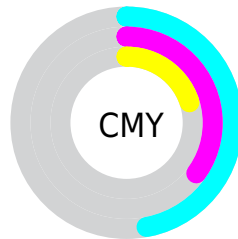
- Red (53%)
- Green (65%)
- Blue (80%)



- Red (53%)
- Yellow (61%)
- Blue (80%)



- Cyan (34%)
- Magenta (20%)
- Yellow (0%)
- Black (20%)



- Cyan (47%)
- Magenta (35%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4663, 36.4689, 62.9803 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 34.4663, 36.4689, 62.9803 by changing the saturation by 10% instead.

■ 34.4663, 36.4689,
62.9803

■ 34.4663, 36.4689,
62.9803

313.7557,
331.0054, 453.6040

■ 23.4166, 24.7966,
45.3844

■ 65.9976, 69.7552,
110.7264

■ 15.0238, 15.9255,
31.4151

■ 87.2100, 92.1379,
141.7136

■ 8.9225, 9.4715,
20.6541

■ 112.5407,
118.8596, 178.0017

■ 4.7474, 5.0500,
12.6826

142.3550,
150.3045, 220.0092

■ 2.1330, 2.2766,
7.0822

177.0183,
186.8572, 268.1547

■ 0.7071, 0.7613,
3.4343

216.8960,

■ 0.0000, 0.0000,

228.9020, 322.8566

1.3205

262.3533,
276.8232, 384.5335

■ 0.0000, 0.0000,
0.0785

■ 0.0000, 0.0000,
0.0000

■ 34.4663, 36.4689,
62.9803

■ 34.4663, 36.4689,
62.9803

■ 29.4632, 30.8962,
62.1690

■ 40.3003, 42.7590,
63.8876

■ 25.2458, 26.0073,
61.4476

■ 47.0005, 49.7894,
64.8914

■ 21.7696, 21.7721,
60.8134

■ 54.6039, 57.5873,
65.9958

■ 18.9836, 18.1560,
60.2622

■ 63.1445, 66.1771,
67.2037

■ 16.8296, 15.1203,
59.7898

■ 72.6546, 75.5819,
68.5178

■ 15.2380, 12.6196,
59.3910

■ 82.0505, 85.2498,
69.8886

■ 14.4977, 11.3641,
59.1877

■ 85.5212, 92.1910,
71.0455

■ 88.0196, 97.1878,
71.8783

Harmonies

Analogous

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



31.1607, 36.4689, 59.0734



34.4663, 36.4689, 62.9803



38.0538, 36.4689, 59.8105

Triad

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



34.4663, 36.4689, 62.9803



41.1110, 36.4689, 31.0207



29.1011, 36.4689, 30.2006

Complementary

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



34.4663, 36.4689, 62.9803



44.8809, 45.3893, 29.3185

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.



31.4791, 36.4689, 24.7058



34.4663, 36.4689, 62.9803



38.4175, 36.4689, 25.1186

Square

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



34.4663, 36.4689, 62.9803



42.0456, 36.4689, 40.2743



34.8596, 36.4689, 23.0178



28.1988, 36.4689, 39.1479

Rectangle

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



34.4663, 36.4689, 62.9803



40.0932, 36.4689, 54.3733



34.8596, 36.4689, 23.0178



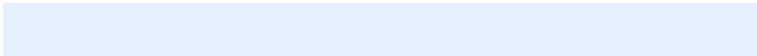
29.7459, 36.4689, 27.9503

Sweetspot

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



34.4675, 36.4703, 62.9812



81.8093, 86.5333, 106.9985



39.5292, 51.8965, 48.3207



17.1390, 18.1392, 22.8478



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.



34.4675, 36.4703, 62.9812



50.2835, 52.8926, 102.1668



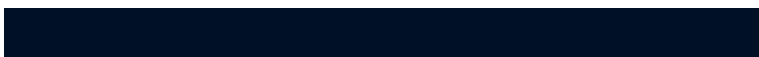
30.4438, 27.2836, 61.4200



10.9905, 11.6214, 14.2343



9.1156, 7.2551, 36.8762



0.5451, 0.5239, 1.9273

Inverse Universe

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



40.6334, 33.0250, 39.8315



62.0978, 47.1684, 57.6141



50.1139, 57.7380, 31.4263



11.4086, 11.2922, 12.6861



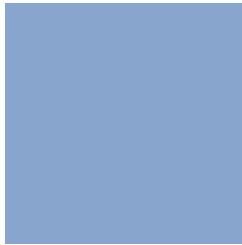
16.8120, 8.5354, 6.7288



0.9051, 0.4554, 0.5460

Previews

White Background



This preview shows how the XYZ color 34.4663, 36.4689, 62.9803 looks on a white background.

Color Contrast Check

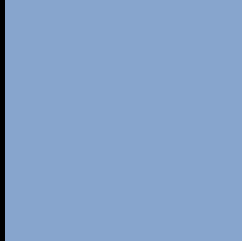
Large Text (above 18pt) WCAG AA × Fail

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 34.4663, 36.4689, 62.9803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

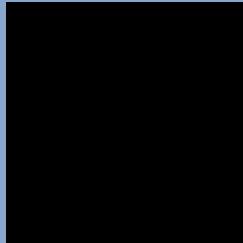
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

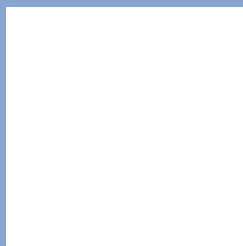
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.4663, 36.4689, 62.9803

Background



This preview shows how black text looks on a background with the XYZ color 34.4663, 36.4689, 62.9803.



This preview shows how white text looks on a background with the XYZ color 34.4663, 36.4689,

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

34.4663, 36.4689, 62.9803

Protanopia

36.3544, 36.4294, 60.9926

Deuteranopia

37.0563, 36.2211, 63.4308



Tritanopia

31.9411, 36.5407, 50.1693

Trichromacy



Original Color

34.4663, 36.4689, 62.9803

Protanomaly

35.5539, 36.2635, 61.6256

Deuteranomaly

36.0982, 36.2419, 63.4853

Tritanomaly

32.9223, 36.6724, 54.6335

Monochromacy



Original Color

34.4663, 36.4689, 62.9803

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.8050, 35.6904, 46.7022

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4663, 36.4689, 62.9803 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(135, 165, 205)` looks like.

```
.text, #text, p{  
    color:rgb(135, 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(135, 165, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 165, 205) }
```

Border

The CSS property to change the border of an element to XYZ 34.4663, 36.4689, 62.9803 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(135, 165, 205) }
```


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

```
.border{ border-color:rgb(135, 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(135, 165, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 165, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 165, 205);  
box-shadow:4px 4px 4px 4px rgb(135, 165,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4663, 36.4689, 62.9803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 165, 205) }
```

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

```
.background{ background-color: rgb(135,  
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](#).

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