

Converting Colors

XYZ(34.8751, 36.7664, 62.5557)

Have a look what the booklet for
XYZ(34.8751, 36.7664, 62.5557)
contains.

XYZ(34.8354, 36.6732, 62.3693)	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(34.8354, 36.6732,
62.3693)**

Conversions

Conversions Part 1

Format	Color
Hex	8AA5CC
RGB	138, 165, 204
RGB Percent	54%, 65%, 80%
CMY	0.4588, 0.3529, 0.2000
CMYK	0.32, 0.19, 0.00, 0.20
HSL	215°, 39%, 67%
HSV	215°, 32%, 80%
XYZ	34.8354, 36.6732, 62.3693
YIQ	161.3730, -28.6110, 6.4050

Conversions

Conversions Part 2

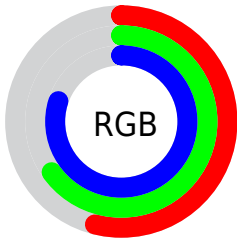
Format	Color
R _{YB}	138, 157, 204
Decimal	9086412
CIE Lab	67.03, -0.07, -22.94
CIE LCh	67, 22.942, 269.817
Yxy	36.6732, 0.2602, 0.2739
Android (android.graphics.Color)	4287276492 (0xFF8AA5CC)
YUV	161.3730, 21.0151, -20.4981
Hunter-Lab	60.5584, -3.2975, -18.6721

Details

The XYZ color **34.8354, 36.6732, 62.3693** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **45.2119, 46.1169, 30.5642**, and the grayscale version is **33.9655, 35.7343, 38.9147**.

A 20% lighter version of the original color is **65.6355, 69.7439, 104.6103**, and **15.2479, 15.9907, 31.1370** is the 20% darker color. If you saturate the color by 10%, you get **29.6994, 30.9493, 61.5358**, and if you desaturate by 10%, it is **40.8126, 43.1367, 63.3025**.

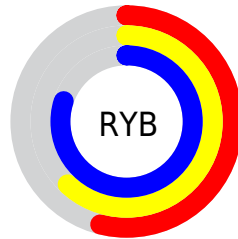
Distribution



Red (54%)

Green (65%)

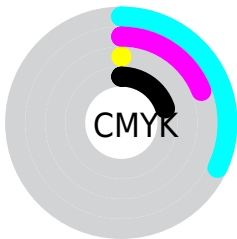
Blue (80%)



Red (54%)

Yellow (62%)

Blue (80%)

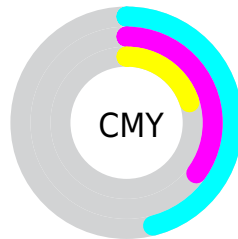


Cyan (32%)

Magenta (19%)

Yellow (0%)

Black (20%)



Cyan (46%)

Magenta (35%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8354, 36.6732, 62.3693 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 34.8354, 36.6732, 62.3693 by changing the saturation by 10% instead.

■ 34.8354, 36.6732,
62.3693

■ 34.8354, 36.6732,
62.3693

315.3620,
331.8935, 451.3217

■ 23.7020, 24.9546,
44.8935

■ 66.5664, 70.0699,
109.8359

■ 15.2363, 16.0432,
31.0312

■ 87.8947, 92.5167,
140.6637

■ 9.0728, 9.5547,
20.3639

■ 113.3521,
119.3084, 176.7792

■ 4.8462, 5.1047,
12.4732

143.3039,
150.8293, 218.6010

■ 2.1911, 2.3089,
6.9403

178.1154,
187.4639, 266.5476

■ 0.7380, 0.7784,
3.3469

218.1520,

■ 0.0000, 0.0000,

229.5965, 321.0376

1.2744

263.7791,
277.6116, 382.4894

■ 0.0000, 0.0000,
0.0407

■ 0.0000, 0.0000,
0.0000

■ 34.8354, 36.6732,
62.3693

■ 34.8354, 36.6732,
62.3693

■ 29.6994, 30.9493,
61.5358

■ 40.8126, 43.1367,
63.3025

■ 25.3600, 25.9310,
60.7959

■ 47.6656, 50.3631,
64.3361

■ 21.7731, 21.5879,
60.1466

■ 55.4315, 58.3802,
65.4743

■ 18.8891, 17.8850,
59.5839

■ 64.1439, 67.2126,
66.7199

■ 16.6512, 14.7835,
59.1032

■ 73.8348, 76.8842,
68.0759

■ 14.9923, 12.2387,
58.6995

■ 82.5185, 86.3783,
69.4508

■ 14.0277, 10.6167,
58.4372

■ 86.1332, 93.6077,
70.6557

■ 87.8992, 97.1397,
71.2444

Harmonies

Analogous

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



31.5941, 36.6732, 58.9309



34.8354, 36.6732, 62.3693



38.2972, 36.6732, 59.0103

Triad

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



34.8354, 36.6732, 62.3693



41.0021, 36.6732, 31.1256



29.3775, 36.6732, 31.0358

Complementary

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



34.8354, 36.6732, 62.3693



45.2119, 46.1169, 30.5642

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.



31.6288, 36.6732, 25.4833



34.8354, 36.6732, 62.3693



38.3367, 36.6732, 25.5287

Square

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



34.8354, 36.6732, 62.3693



41.9989, 36.6732, 39.9921



34.8782, 36.6732, 23.6455



28.5741, 36.6732, 39.8697

Rectangle

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



34.8354, 36.6732, 62.3693



40.2329, 36.6732, 53.6427



34.8782, 36.6732, 23.6455



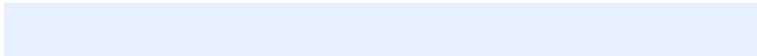
29.9823, 36.6732, 28.7807

Sweetspot

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



34.8366, 36.6746, 62.3702



81.6631, 86.2408, 106.9498



39.9609, 51.7441, 49.2164



17.1037, 18.0686, 22.8361



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.



34.8366, 36.6746, 62.3702



51.4666, 53.8297, 102.2853



31.4029, 28.4219, 60.9582



10.9724, 11.5851, 14.2282



8.9157, 6.8554, 36.8096



0.5340, 0.5018, 1.9237

Inverse Universe

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



40.7828, 33.7319, 39.9603



63.0438, 48.8825, 58.4782



49.6017, 57.0952, 32.4519



11.3994, 11.2885, 12.6379



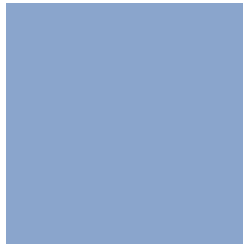
16.7111, 8.4950, 6.1975



0.8995, 0.4532, 0.5166

Previews

White Background



This preview shows how the XYZ color 34.8354, 36.6732, 62.3693 looks on a white background.

Color Contrast Check

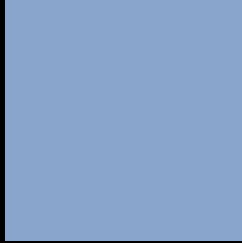
Large Text (above 18pt) WCAG AA × Fail

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 34.8354, 36.6732, 62.3693 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

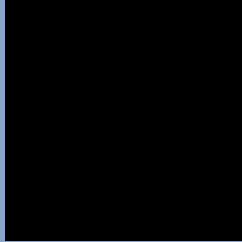
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.8354, 36.6732, 62.3693

Background



This preview shows how black text looks on a background with the XYZ color 34.8354, 36.6732, 62.3693.

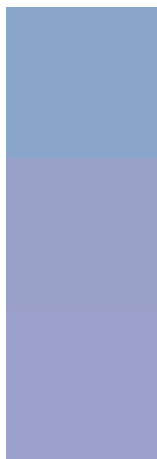


This preview shows how white text looks on a background with the XYZ color 34.8354, 36.6732,

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

34.8354, 36.6732, 62.3693

Protanopia

36.4244, 36.4791, 60.3797

Deuteranopia

37.4949, 36.7175, 62.8686



Tritanopia

32.3043, 36.7399, 49.6449

Trichromacy



Original Color

34.8354, 36.6732, 62.3693

Protanomaly

35.7937, 36.4008, 61.0166

Deuteranomaly

36.5175, 36.7325, 62.9230

Tritanomaly

33.2886, 36.8739, 54.0781

Monochromacy



Original Color

34.8354, 36.6732, 62.3693

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.9930, 35.7873, 46.7110

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8354, 36.6732, 62.3693 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(138, 165, 204)` looks like.

```
.text, #text, p{  
    color:rgb(138, 165, 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(138, 165, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 165, 204) }
```

Border

The CSS property to change the border of an element to XYZ 34.8354, 36.6732, 62.3693 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(138, 165, 204) }
```


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

```
.border{ border-color:rgb(138, 165, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 165, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 165, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 165, 204);  
box-shadow:4px 4px 4px 4px rgb(138, 165,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8354, 36.6732, 62.3693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 165, 204) }
```

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

```
.background{ background-color: rgb(138,  
165, 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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