

Converting Colors

XYZ(34.5082, 38.4740, 62.7349)

Have a look what the booklet for
XYZ(34.5082, 38.4740, 62.7349)
contains.

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Color

**XYZ(34.5537, 38.4539,
62.7279)**

Conversions

Conversions Part 1

Format	Color
Hex	80ACCC
RGB	128, 172, 204
RGB Percent	50%, 67%, 80%
CMY	0.4980, 0.3255, 0.2000
CMYK	0.37, 0.16, 0.00, 0.20
HSL	205°, 43%, 65%
HSV	205°, 37%, 80%
XYZ	34.5537, 38.4539, 62.7279
YIQ	162.4920, -36.4960, 0.6240

Conversions

Conversions Part 2

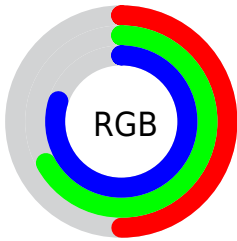
Format	Color
RYB	128, 156, 204
Decimal	8432844
CIELab	68.35, -6.74, -20.98
CIELCh	68, 22.036, 252.185
Yxy	38.4539, 0.2546, 0.2833
Android (android.graphics.Color)	4286622924 (0xFF80ACCC)
YUV	162.4920, 20.4634, -30.2495
Hunter-Lab	62.0112, -9.0564, -16.5674

Details

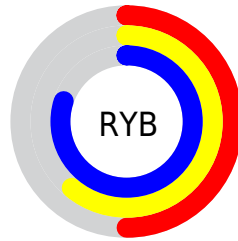
The XYZ color **34.5537, 38.4539, 62.7279** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **41.3696, 39.5381, 25.8744**, and the grayscale version is **34.4936, 36.2900, 39.5198**.

A 20% lighter version of the original color is **65.0475, 72.2254, 105.1203**, and **15.1231, 17.1308, 31.3637** is the 20% darker color. If you saturate the color by 10%, you get **30.2062, 33.8646, 62.0719**, and if you desaturate by 10%, it is **39.6262, 43.5755, 63.4498**.

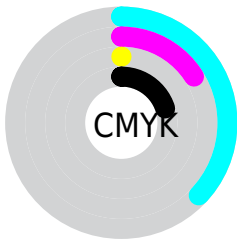
Distribution



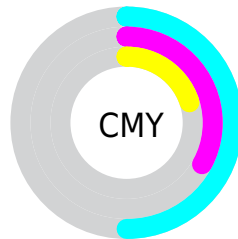
- Red (50%)
- Green (67%)
- Blue (80%)



- Red (50%)
- Yellow (61%)
- Blue (80%)



- Cyan (37%)
- Magenta (16%)
- Yellow (0%)
- Black (20%)



- Cyan (50%)
- Magenta (33%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5537, 38.4539, 62.7279 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 34.5537, 38.4539, 62.7279 by changing the saturation by 10% instead.

■ 34.5537, 38.4539,
62.7279

■ 34.5537, 38.4539,
62.7279

314.1366,
339.5631, 452.6620

■ 23.4842, 26.3352,
45.1815

■ 66.1324, 72.8033,
110.3586

■ 15.0741, 17.0745,
31.2564

■ 87.3723, 95.8028,
141.2801

■ 8.9581, 10.2877,
20.5341

■ 112.7330,
123.1980, 177.4970

■ 4.7707, 5.5901,
12.5960

142.5799,
155.3732, 219.4279

■ 2.1467, 2.5975,
7.0235

177.2784,
192.7130, 267.4913

■ 0.7144, 0.9254,
3.3981

217.1937,

■ 0.0000, 0.0000,

235.6016, 322.1057

1.3013

262.6914,
284.4235, 383.6898

■ 0.0000, 0.0000,
0.0629

■ 0.0000, 0.0000,
0.0000

■ 34.5537, 38.4539,
62.7279

■ 34.5537, 38.4539,
62.7279

■ 30.2062, 33.8646,
62.0719

■ 39.6262, 43.5755,
63.4498

■ 26.5409, 29.7801,
61.4767

■ 45.4560, 49.2463,
64.2371

■ 23.5157, 26.1765,
60.9406

■ 52.0778, 55.4880,
65.0929

■ 21.0820, 23.0256,
60.4606

■ 59.5229, 62.3194,
66.0191

■ 19.1831, 20.2949,
60.0337

■ 67.8211, 69.7583,
67.0176

■ 17.7422, 17.9416,
59.6554

■ 77.0002, 77.8219,
68.0902

■ 17.3905, 17.3422,
59.5582

■ 81.0318, 83.4048,
68.9553

■ 83.5107, 88.3627,
69.7816

■ 86.1096, 93.5604,
70.6479

Harmonies

Analogous

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



31.8431, 38.4539, 55.9943



34.5537, 38.4539, 62.7279



37.9699, 38.4539, 63.3634

Triad

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



34.5537, 38.4539, 62.7279



43.4372, 38.4539, 37.9798



32.2660, 38.4539, 29.2918

Complementary

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



34.5537, 38.4539, 62.7279



41.3696, 39.5381, 25.8744

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.



35.1645, 38.4539, 25.8862



34.5537, 38.4539, 62.7279



41.6977, 38.4539, 30.3458

Square

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



34.5537, 38.4539, 62.7279



43.2479, 38.4539, 47.9663



38.6202, 38.4539, 26.2388



30.5807, 38.4539, 36.3130

Rectangle

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



34.5537, 38.4539, 62.7279



40.2044, 38.4539, 60.1303



38.6202, 38.4539, 26.2388



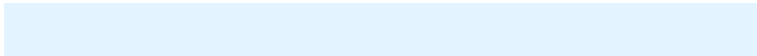
33.1227, 38.4539, 27.7400

Sweetspot

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



34.5549, 38.4554, 62.7288



81.8202, 87.7577, 107.2343



36.8119, 50.3022, 40.8752



17.1889, 18.4787, 22.9107



0.0000, 0.0000, 0.0000



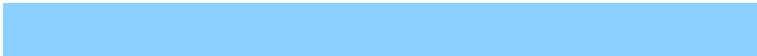
20.3446, 21.4041, 23.3091

Same Dimension

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



34.5549, 38.4554, 62.7288



51.1442, 57.2908, 102.9704



28.3735, 26.0925, 60.6683



11.1321, 11.9047, 14.2815



11.0395, 11.1030, 37.5175



0.6436, 0.7210, 1.9602

Inverse Universe

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



40.0684, 31.2554, 42.9524



61.8788, 44.5790, 64.1736



48.9169, 54.6326, 28.3902



11.4800, 11.3208, 13.0625



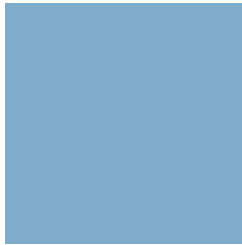
17.7831, 8.9238, 11.8426



0.9548, 0.4753, 0.8078

Previews

White Background



This preview shows how the XYZ color 34.5537, 38.4539, 62.7279 looks on a white background.

Color Contrast Check

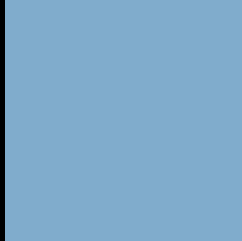
Large Text (above 18pt) WCAG AA × Fail

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 34.5537, 38.4539, 62.7279 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

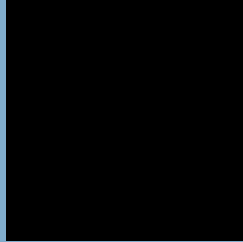
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

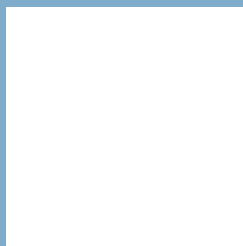
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.5537, 38.4539, 62.7279

Background



This preview shows how black text looks on a background with the XYZ color 34.5537, 38.4539, 62.7279.



This preview shows how white text looks on a background with the XYZ color 34.5537, 38.4539,

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

34.5537, 38.4539, 62.7279

Protanopia

38.0620, 38.4047, 59.4396

Deuteranopia

39.1381, 38.3320, 63.7285



Tritanopia

32.8275, 38.6192, 53.8682

Trichromacy



Original Color

34.5537, 38.4539, 62.7279

Protanomaly

36.7580, 38.5182, 60.7557

Deuteranomaly

37.2333, 38.1642, 63.1616

Tritanomaly

33.3311, 38.5271, 56.7187

Monochromacy



Original Color

34.5537, 38.4539, 62.7279

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.1497, 36.9308, 46.9234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5537, 38.4539, 62.7279 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(128, 172, 204)` looks like.

```
.text, #text, p{  
    color:rgb(128, 172, 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(128, 172, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 172, 204) }
```

Border

The CSS property to change the border of an element to XYZ 34.5537, 38.4539, 62.7279 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(128, 172, 204) }
```


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

```
.border{ border-color:rgb(128, 172, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 172, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 172, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 172, 204);  
box-shadow:4px 4px 4px 4px rgb(128, 172,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5537, 38.4539, 62.7279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 172, 204) }
```

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

```
.background{ background-color: rgb(128,  
172, 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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