

Converting Colors

XYZ(34.8390, 39.3018, 61.2861)

Have a look what the booklet for
XYZ(34.8390, 39.3018, 61.2861)
contains.

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Color

**XYZ(34.7319, 39.1563,
60.9857)**

Conversions

Conversions Part 1

Format	Color
Hex	81AEC9
RGB	129, 174, 201
RGB Percent	51%, 68%, 79%
CMY	0.4941, 0.3176, 0.2118
CMYK	0.36, 0.13, 0.00, 0.21
HSL	202°, 40%, 65%
HSV	202°, 36%, 79%
XYZ	34.7319, 39.1563, 60.9857
YIQ	163.6230, -35.4870, -1.1430

Conversions

Conversions Part 2

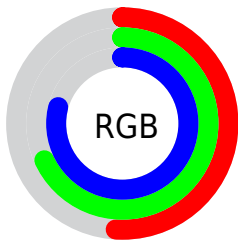
Format	Color
RYB	129, 157, 201
Decimal	8498889
CIELab	68.86, -8.33, -18.54
CIElCh	69, 20.329, 245.811
Yxy	39.1563, 0.2575, 0.2903
Android (android.graphics.Color)	4286688969 (0xFF81AEC9)
YUV	163.6230, 18.4269, -30.3644
Hunter-Lab	62.5750, -10.4308, -13.9816

Details

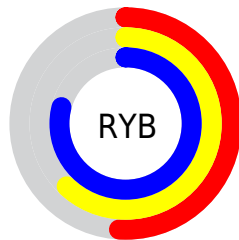
The XYZ color **34.7319, 39.1563, 60.9857** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **39.9389, 37.7799, 25.9571**, and the grayscale version is **35.0359, 36.8605, 40.1411**.

A 20% lighter version of the original color is **65.8365, 73.4490, 105.3149**, and **15.2065, 17.5622, 30.1921** is the 20% darker color. If you saturate the color by 10%, you get **30.5586, 34.9044, 60.3856**, and if you desaturate by 10%, it is **39.5899, 43.8843, 61.6429**.

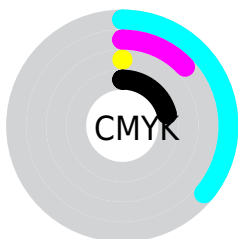
Distribution



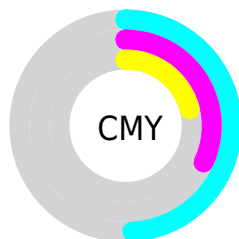
- Red (51%)
- Green (68%)
- Blue (79%)



- Red (51%)
- Yellow (62%)
- Blue (79%)



- Cyan (36%)
- Magenta (13%)
- Yellow (0%)
- Black (21%)



- Cyan (49%)
- Magenta (32%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7319, 39.1563, 60.9857 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 34.7319, 39.1563, 60.9857 by changing the saturation by 10% instead.

■ 34.7319, 39.1563,
60.9857

■ 34.7319, 39.1563,
60.9857

314.9122,
342.5546, 446.1267

■ 23.6220, 26.8813,
43.7831

■ 66.4070, 73.8770,
107.8156

■ 15.1767, 17.4841,
30.1641

■ 87.7029, 97.0916,
138.2799

■ 9.0306, 10.5803,
19.7101

■ 113.1248,
124.7215, 174.0020

■ 4.8184, 5.7854,
12.0025

143.0381,
157.1511, 215.4003

■ 2.1748, 2.7150,
6.6228

177.8081,
194.7648, 262.8934

■ 0.7294, 0.9848,
3.1525

217.8002,

■ 0.0000, 0.0000,

237.9470, 316.8998

1.1730

263.3798,
287.0821, 377.8380

■ 0.0000, 0.0000,
0.0000

■ 34.7319, 39.1563,
60.9857

■ 34.7319, 39.1563,
60.9857

■ 30.5586, 34.9044,
60.3856

■ 39.5899, 43.8843,
61.6429

■ 27.0296, 31.1031,
59.8379

■ 45.1628, 49.1031,
62.3565

■ 24.1057, 27.7311,
59.3411

■ 51.4832, 54.8324,
63.1293

■ 21.7416, 24.7628,
58.8928

■ 58.5804, 61.0892,
63.9629

■ 19.8845, 22.1691,
58.4901

■ 66.4825, 67.8896,
64.8590

■ 18.4693, 19.9141,
58.1294

■ 75.2156, 75.2489,
65.8192

■ 17.9564, 19.0444,
57.9886

■ 79.1871, 80.2857,
66.5821

■ 81.2911, 84.4938,
67.2835

■ 83.4865, 88.8845,
68.0152

Harmonies

Analogous

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



32.4084, 39.1563, 53.9003



34.7319, 39.1563, 60.9857



37.8486, 39.1563, 62.8697

Triad

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



34.7319, 39.1563, 60.9857



43.7374, 39.1563, 40.8606



33.7031, 39.1563, 29.7864

Complementary

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



34.7319, 39.1563, 60.9857



39.9389, 37.7799, 25.9571

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.



36.5922, 39.1563, 27.2866



34.7319, 39.1563, 60.9857



42.4789, 39.1563, 33.0593

Square

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



34.7319, 39.1563, 60.9857



43.1687, 39.1563, 50.3383



39.8177, 39.1563, 28.3922



31.8389, 39.1563, 35.7598

Rectangle

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



34.7319, 39.1563, 60.9857



39.9844, 39.1563, 60.7163



39.8177, 39.1563, 28.3922



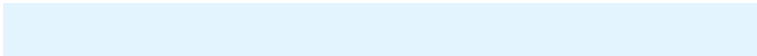
34.5801, 39.1563, 28.5546

Sweetspot

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



34.7331, 39.1578, 60.9866



82.2087, 88.5345, 107.3637



35.8908, 48.8213, 38.7195



17.2816, 18.6641, 22.9416



0.0000, 0.0000, 0.0000



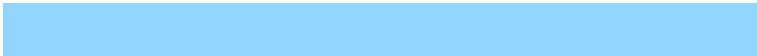
20.3446, 21.4041, 23.3091

Same Dimension

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



34.7331, 39.1578, 60.9866



53.8060, 61.3058, 103.6051



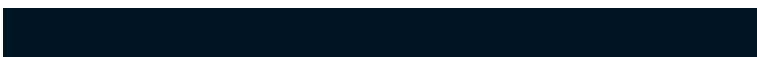
28.7716, 27.2348, 58.9994



10.5996, 11.3733, 13.5541



11.3805, 12.1550, 36.4907



0.6068, 0.7114, 1.7505

Inverse Universe

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



39.5786, 31.1750, 43.9775



63.5417, 46.4670, 69.1604



46.7688, 51.4396, 28.2337



10.9079, 10.7466, 12.4984



17.5437, 8.7670, 13.3388



0.8650, 0.4288, 0.8122

Previews

White Background



This preview shows how the XYZ color 34.7319, 39.1563, 60.9857 looks on a white background.

Color Contrast Check

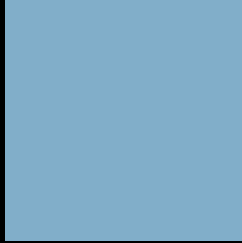
Large Text (above 18pt) WCAG AA × Fail

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 34.7319, 39.1563, 60.9857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

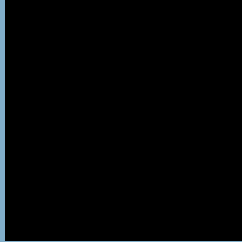
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.7319, 39.1563, 60.9857

Background



This preview shows how black text looks on a background with the XYZ color 34.7319, 39.1563, 60.9857.



This preview shows how white text looks on a background with the XYZ color 34.7319, 39.1563,

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

34.7319, 39.1563, 60.9857

Protanopia

38.5003, 38.9393, 57.7114

Deuteranopia

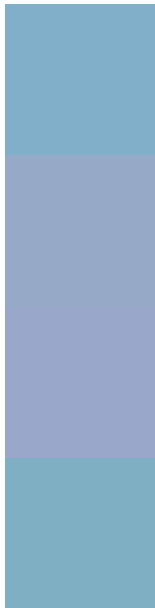
39.7808, 38.9697, 61.9251



Tritanopia

33.4238, 39.2040, 54.5207

Trichromacy



Original Color

34.7319, 39.1563, 60.9857

Protanomaly

36.9587, 38.9372, 58.9938

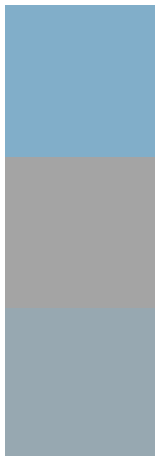
Deuteranomaly

37.8002, 39.0418, 61.4207

Tritanomaly

33.8200, 39.0670, 56.7971

Monochromacy



Original Color

34.7319, 39.1563, 60.9857

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.7009, 37.7589, 47.0542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7319, 39.1563, 60.9857 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, 174, 201)` looks like.

```
.text, #text, p{  
    color:rgb(129, 174, 201)  
}
```

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, 174, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 174, 201) }
```

Border

The CSS property to change the border of an element to XYZ 34.7319, 39.1563, 60.9857 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, 174, 201) }
```


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

```
.border{ border-color:rgb(129, 174, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 174, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 174, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 174, 201);  
box-shadow:4px 4px 4px 4px rgb(129, 174,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7319, 39.1563, 60.9857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 174, 201) }
```

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

```
.background{ background-color: rgb(129,  
174, 201) }
```

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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