

Converting Colors

XYZ(34.7763, 38.8661, 62.1689)

Have a look what the booklet for
XYZ(34.7763, 38.8661, 62.1689)
contains.

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Color

**XYZ(34.7763, 38.8661,
62.1689)**

Conversions

Conversions Part 1

Format	Color
Hex	81ADCB
RGB	129, 173, 203
RGB Percent	51%, 68%, 80%
CMY	0.4941, 0.3216, 0.2039
CMYK	0.36, 0.15, 0.00, 0.20
HSL	204°, 42%, 65%
HSV	204°, 36%, 80%
XYZ	34.7763, 38.8661, 62.1689
YIQ	163.2640, -35.8540, 0.0020

Conversions

Conversions Part 2

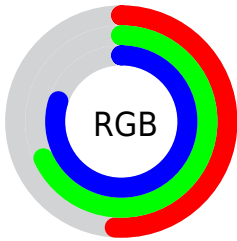
Format	Color
R _Y B	129, 157, 203
Decimal	8498635
CIE Lab	68.65, -7.27, -19.97
CIE LCh	69, 21.248, 249.988
Yxy	38.8661, 0.2561, 0.2862
Android (android.graphics.Color)	4286688715 (0xFF81ADCB)
YUV	163.2640, 19.5898, -30.0495
Hunter-Lab	62.3427, -9.5279, -15.4849

Details

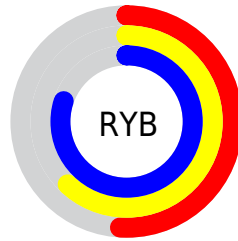
The XYZ color **34.7763, 38.8661, 62.1689** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **40.9898, 39.0782, 26.1524**, and the grayscale version is **34.8609, 36.6764, 39.9406**.

A 20% lighter version of the original color is **65.5606, 72.8972, 105.2229**, and **15.2427, 17.3812, 30.9853** is the 20% darker color. If you saturate the color by 10%, you get **30.4642, 34.3730, 61.5296**, and if you desaturate by 10%, it is **39.8006, 43.8724, 62.8711**.

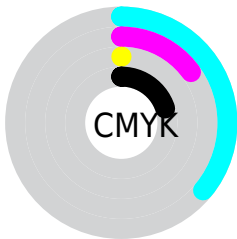
Distribution



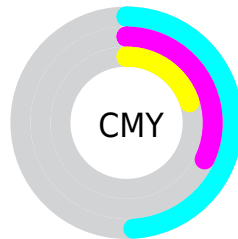
- Red (51%)
- Green (68%)
- Blue (80%)



- Red (51%)
- Yellow (62%)
- Blue (80%)



- Cyan (36%)
- Magenta (15%)
- Yellow (0%)
- Black (20%)



- Cyan (49%)
- Magenta (32%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7763, 38.8661, 62.1689 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 34.7763, 38.8661, 62.1689 by changing the saturation by 10% instead.

■ 34.7763, 38.8661,
62.1689

■ 34.7763, 38.8661,
62.1689

315.1052,
341.3209, 450.5716

■ 23.6563, 26.6556,
44.7325

■ 66.4754, 73.4337,
109.5436

■ 15.2022, 17.3147,
30.9054

■ 87.7852, 96.5596,
140.3189

■ 9.0487, 10.4591,
20.2689

■ 113.2223,
124.0927, 176.3777

■ 4.8303, 5.7044,
12.4047

143.1521,
156.4175, 218.1384

■ 2.1818, 2.6662,
6.8940

177.9400,
193.9183, 266.0196

■ 0.7331, 0.9601,
3.3185

217.9512,

■ 0.0000, 0.0000,

236.9795, 320.4399

1.2595

263.5511,
285.9856, 381.8177

■ 0.0000, 0.0000,
0.0282

■ 0.0000, 0.0000,
0.0000

■ 34.7763, 38.8661,
62.1689

■ 34.7763, 38.8661,
62.1689

■ 30.4642, 34.3730,
61.5296

■ 39.8006, 43.8724,
62.8711

■ 26.8224, 30.3664,
60.9482

■ 45.5687, 49.4080,
63.6356

■ 23.8101, 26.8233,
60.4231

■ 52.1143, 55.4938,
64.4652

■ 21.3799, 23.7167,
59.9515

■ 59.4681, 62.1478,
65.3620

■ 19.4768, 21.0154,
59.5304

■ 67.6591, 69.3874,
66.3277

■ 18.0308, 18.6803,
59.1559

■ 76.7147, 77.2290,
67.3640

■ 17.5815, 17.9156,
59.0320

■ 80.4862, 82.5050,
68.1836

■ 82.8388, 87.2102,
68.9678

■ 85.3011, 92.1347,
69.7885

Harmonies

Analogous

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



32.2139, 38.8661, 55.3417



34.7763, 38.8661, 62.1689



38.0717, 38.8661, 63.2553

Triad

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



34.7763, 38.8661, 62.1689



43.6682, 38.8661, 39.1932



32.9471, 38.8661, 29.6786

Complementary

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



34.7763, 38.8661, 62.1689



40.9898, 39.0782, 26.1524

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.



35.8330, 38.8661, 26.6014



34.7763, 38.8661, 62.1689



42.1095, 38.8661, 31.5178

Square

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



34.7763, 38.8661, 62.1689



43.3428, 38.8661, 48.9638



39.1938, 38.8661, 27.2194



31.2029, 38.8661, 36.3035

Rectangle

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



34.7763, 38.8661, 62.1689



40.2615, 38.8661, 60.4300



39.1938, 38.8661, 27.2194



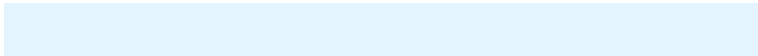
33.8084, 38.8661, 28.2441

Sweetspot

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



34.7775, 38.8676, 62.1698



81.9519, 88.0210, 107.2782



36.6334, 49.8691, 40.3151



17.2203, 18.5415, 22.9212



0.0000, 0.0000, 0.0000



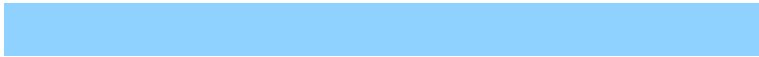
20.3446, 21.4041, 23.3091

Same Dimension

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



34.7775, 38.8676, 62.1698



52.2703, 58.8962, 103.2209



28.6943, 26.7012, 60.1421



11.1470, 11.9345, 14.2864



11.2800, 11.5840, 37.5977



0.6552, 0.7442, 1.9641

Inverse Universe

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



40.0227, 31.4152, 43.4912



62.6051, 45.4740, 66.1347



48.2416, 53.5819, 28.5696



11.4876, 11.3238, 13.1021



17.9045, 8.9724, 12.4819



0.9607, 0.4777, 0.8388

Previews

White Background



This preview shows how the XYZ color 34.7763, 38.8661, 62.1689 looks on a white background.

Color Contrast Check

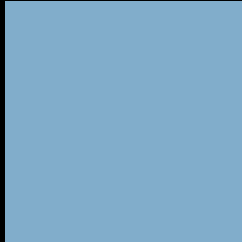
Large Text (above 18pt) WCAG AA × Fail

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 34.7763, 38.8661, 62.1689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

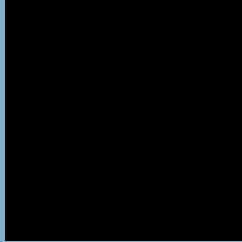
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.7763, 38.8661, 62.1689

Background



This preview shows how black text looks on a background with the XYZ color 34.7763, 38.8661, 62.1689.



This preview shows how white text looks on a background with the XYZ color 34.7763, 38.8661,

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

34.7763, 38.8661, 62.1689

Protanopia

38.1454, 38.4611, 58.8393

Deuteranopia

39.4265, 38.4947, 63.1098



Tritanopia

33.1195, 38.7697, 53.8818

Trichromacy



Original Color

34.7763, 38.8661, 62.1689

Protanomaly

36.8224, 38.5650, 60.1466

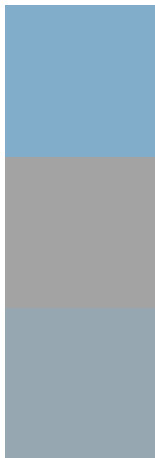
Deuteranomaly

37.4803, 38.5764, 62.5973

Tritanomaly

33.6261, 38.6792, 56.7325

Monochromacy



Original Color

34.7763, 38.8661, 62.1689

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.6171, 37.4311, 47.5199

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7763, 38.8661, 62.1689 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, 173, 203)` looks like.

```
.text, #text, p{  
    color:rgb(129, 173, 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, 173, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 173, 203) }
```

Border

The CSS property to change the border of an element to XYZ 34.7763, 38.8661, 62.1689 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, 173, 203) }
```


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

```
.border{ border-color:rgb(129, 173, 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, 173, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 173, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 173, 203);  
box-shadow:4px 4px 4px 4px rgb(129, 173,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7763, 38.8661, 62.1689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 173, 203) }
```

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

```
.background{ background-color: rgb(129,  
173, 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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