

Converting Colors

XYZ(33.2019, 36.3836, 61.7727)

Have a look what the booklet for
XYZ(33.2019, 36.3836, 61.7727)
contains.

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Color

**XYZ(33.2024, 36.3848,
61.7729)**

Conversions

Conversions Part 1

Format	Color
Hex	7EA7CB
RGB	126, 167, 203
RGB Percent	49%, 65%, 80%
CMY	0.5059, 0.3451, 0.2039
CMYK	0.38, 0.18, 0.00, 0.20
HSL	208°, 43%, 65%
HSV	208°, 38%, 80%
XYZ	33.2024, 36.3848, 61.7729
YIQ	158.8450, -35.9920, 2.5040

Conversions

Conversions Part 2

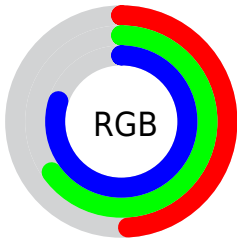
Format	Color
R _Y B	126, 153, 203
Decimal	8300491
CIE Lab	66.81, -4.81, -22.79
CIE LCh	67, 23.290, 258.072
Yxy	36.3848, 0.2528, 0.2770
Android (android.graphics.Color)	4286490571 (0xFF7EA7CB)
YUV	158.8450, 21.7684, -28.8051
Hunter-Lab	60.3198, -7.3062, -18.4944

Details

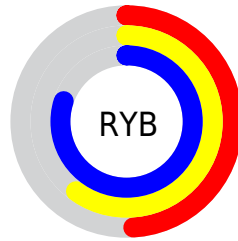
The XYZ color **33.2024, 36.3848, 61.7729** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **41.3157, 40.0444, 25.2917**, and the grayscale version is **32.8003, 34.5085, 37.5798**.

A 20% lighter version of the original color is **63.2273, 69.2863, 104.6489**, and **14.3032, 15.8479, 30.7389** is the 20% darker color. If you saturate the color by 10%, you get **28.8321, 31.6454, 61.0891**, and if you desaturate by 10%, it is **38.3101, 41.6953, 62.5294**.

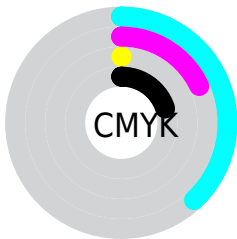
Distribution



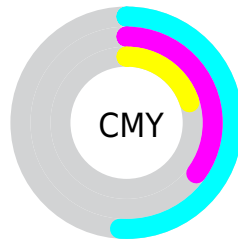
- Red (49%)
- Green (65%)
- Blue (80%)



- Red (49%)
- Yellow (60%)
- Blue (80%)



- Cyan (38%)
- Magenta (18%)
- Yellow (0%)
- Black (20%)



- Cyan (51%)
- Magenta (35%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2024, 36.3848, 61.7729 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 33.2024, 36.3848, 61.7729 by changing the saturation by 10% instead.

■ 33.2024, 36.3848,
61.7729

■ 33.2024, 36.3848,
61.7729

308.2097,
330.6393, 449.0870

■ 22.4415, 24.7315,
44.4146

■ 64.0440, 69.6256,
108.9657

■ 14.3001, 15.8771,
30.6570

■ 84.8554, 91.9819,
139.6372

■ 8.4128, 9.4373,
20.0815

■ 109.7476,
118.6747, 175.5836

■ 4.4142, 5.0275,
12.2697

139.0861,
150.0883, 217.2234

■ 1.9390, 2.2634,
6.8028

173.2362,
186.6072, 264.9750

■ 0.5994, 0.7542,
3.2625

212.5633,

■ 0.0000, 0.0000,

228.6157, 319.2572

1.2302

257.4326,
276.4983, 380.4883

■ 0.0000, 0.0000,
0.0035

■ 0.0000, 0.0000,
0.0000

■ 33.2024, 36.3848,
61.7729

■ 33.2024, 36.3848,
61.7729

■ 28.8321, 31.6454,
61.0891

■ 38.3101, 41.6953,
62.5294

■ 25.1559, 27.4485,
60.4728

■ 44.1880, 47.5955,
63.3584

■ 22.1312, 23.7687,
59.9219

■ 50.8714, 54.1081,
64.2632

■ 19.7086, 20.5762,
59.4334

■ 58.3920, 61.2531,
65.2460

■ 17.8307, 17.8369,
59.0036

■ 66.7798, 69.0496,
66.3088

■ 16.4144, 15.5033,
58.6278

■ 76.0633, 77.5157,
67.4536

■ 16.1520, 15.0566,
58.5554

■ 81.2828, 84.0983,
68.4491

■ 84.0490, 89.6307,
69.3711

■ 86.9621, 95.4568,
70.3421

Harmonies

Analogous

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



30.2539, 36.3848, 55.8613



33.2024, 36.3848, 61.7729



36.7254, 36.3848, 61.0525

Triad

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



33.2024, 36.3848, 61.7729



41.4253, 36.3848, 33.9021



29.7870, 36.3848, 28.0236

Complementary

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



33.2024, 36.3848, 61.7729



41.3157, 40.0444, 25.2917

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.



32.5250, 36.3848, 23.8970



33.2024, 36.3848, 61.7729



39.3058, 36.3848, 26.8731

Square

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



33.2024, 36.3848, 61.7729



41.6375, 36.3848, 43.7602



36.0007, 36.3848, 23.5151



28.3734, 36.3848, 35.7437

Rectangle

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



33.2024, 36.3848, 61.7729



38.9271, 36.3848, 56.9221



36.0007, 36.3848, 23.5151



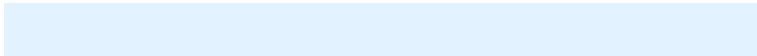
30.5741, 36.3848, 26.2311

Sweetspot

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



33.2036, 36.3862, 61.7738



81.4310, 86.9791, 107.1045



36.4768, 49.7546, 41.8336



17.0961, 18.2931, 22.8798



0.0000, 0.0000, 0.0000



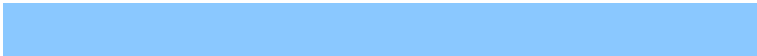
20.3446, 21.4041, 23.3091

Same Dimension

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



33.2036, 36.3862, 61.7738



49.1728, 53.9801, 102.4353



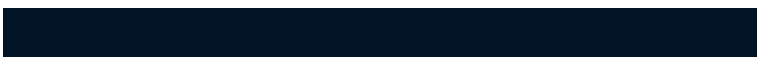
27.1781, 24.3353, 59.7653



11.0880, 11.8165, 14.2668



10.3709, 9.7658, 37.2947



0.6106, 0.6549, 1.9492

Inverse Universe

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



39.0655, 30.4094, 40.3712



60.7295, 43.5286, 59.9423



49.1500, 55.7132, 27.9032



11.4578, 11.3119, 12.9454



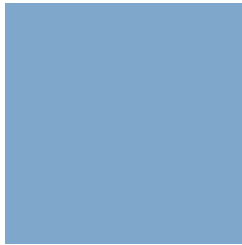
17.4457, 8.7889, 10.0655



0.9381, 0.4687, 0.7201

Previews

White Background



This preview shows how the XYZ color 33.2024, 36.3848, 61.7729 looks on a white background.

Color Contrast Check

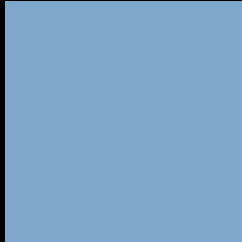
Large Text (above 18pt) WCAG AA × Fail

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 33.2024, 36.3848, 61.7729 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 33.2024, 36.3848, 61.7729

Background



This preview shows how black text looks on a background with the XYZ color 33.2024, 36.3848, 61.7729.



This preview shows how white text looks on a background with the XYZ color 33.2024, 36.3848,

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

33.2024, 36.3848, 61.7729

Protanopia

35.9007, 35.9911, 58.4809

Deuteranopia

37.1279, 36.2720, 62.8019



Tritanopia

30.9116, 36.2751, 50.7200

Trichromacy



Original Color

33.2024, 36.3848, 61.7729

Protanomaly

34.8502, 36.2042, 59.7949

Deuteranomaly

35.4965, 36.2200, 62.2470

Tritanomaly

31.7603, 36.3485, 54.6322

Monochromacy



Original Color

33.2024, 36.3848, 61.7729

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.6908, 35.1389, 45.6169

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2024, 36.3848, 61.7729 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(126, 167, 203)` looks like.

```
.text, #text, p{  
    color:rgb(126, 167, 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(126, 167, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 167, 203) }
```

Border

The CSS property to change the border of an element to XYZ 33.2024, 36.3848, 61.7729 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(126, 167, 203) }
```


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

```
.border{ border-color:rgb(126, 167, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 167, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 167, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 167, 203);  
box-shadow:4px 4px 4px 4px rgb(126, 167,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2024, 36.3848, 61.7729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 167, 203) }
```

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

```
.background{ background-color: rgb(126,  
167, 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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