

Converting Colors

XYZ(32.2825, 38.2324, 80.0719)

Have a look what the booklet for
XYZ(32.2825, 38.2324, 80.0719)
contains.

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Color

**XYZ(32.3192, 38.3666,
79.8308)**

Conversions

Conversions Part 1

Format	Color
Hex	45B1E5
RGB	69, 177, 229
RGB Percent	27%, 69%, 90%
CMY	0.7294, 0.3059, 0.1020
CMYK	0.70, 0.23, 0.00, 0.10
HSL	200°, 75%, 58%
HSV	200°, 70%, 90%
XYZ	32.3192, 38.3666, 79.8308
YIQ	150.6360, -81.0600, -6.7240

Conversions

Conversions Part 2

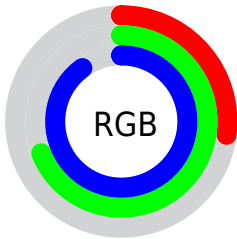
Format	Color
RYB	69, 133, 229
Decimal	4567525
CIELab	68.29, -14.33, -35.02
CIELCh	68, 37.835, 247.743
Yxy	38.3666, 0.2147, 0.2549
Android (android.graphics.Color)	4282757605 (0xFF45B1E5)
YUV	150.6360, 38.6335, -71.5948
Hunter-Lab	61.9408, -15.2594, -33.0559

Details

The XYZ color **32.3192, 38.3666, 79.8308** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **40.2263, 30.7648, 9.4499**, and the grayscale version is **29.1268, 30.6437, 33.3710**.

A 20% lighter version of the original color is **57.1806, 70.6487, 105.2306**, and **14.7505, 17.4324, 42.1225** is the 20% darker color. If you saturate the color by 10%, you get **29.5669, 34.8252, 79.2931**, and if you desaturate by 10%, it is **35.7807, 42.3940, 80.4265**.

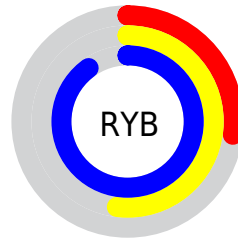
Distribution



Red (27%)

Green (69%)

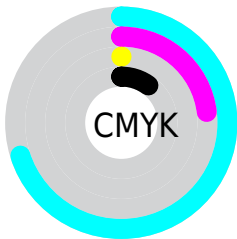
Blue (90%)



Red (27%)

Yellow (52%)

Blue (90%)

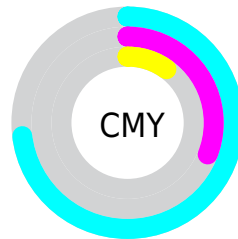


Cyan (70%)

Magenta (23%)

Yellow (0%)

Black (10%)



Cyan (73%)

Magenta (31%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3192, 38.3666, 79.8308 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 32.3192, 38.3666, 79.8308 by changing the saturation by 10% instead.

■ 32.3192, 38.3666,
79.8308

■ 32.3192, 38.3666,
79.8308

304.2903,
339.1900, 514.0542

■ 21.7622, 26.2673,
59.0538

■ 62.6730, 72.6697,
134.9371

■ 13.7979, 17.0237,
42.2361

■ 83.2004, 95.6423,
170.1034

■ 8.0610, 10.2514,
28.9593

■ 107.7821,
123.0082, 210.9032

■ 4.1861, 5.5660,
18.8047

■ 136.7832,
155.1517, 257.7552

■ 1.8080, 2.5830,
11.3539

170.5693,
192.4572, 311.0777

■ 0.5225, 0.9181,
6.1882

209.5055,

■ 0.0000, 0.0000,

235.3092, 371.2893

2.8892

253.9574,
284.0920, 438.8086

■ 0.0000, 0.0000,
1.0384

■ 0.0000, 0.0000,
0.0000

■ 32.3192, 38.3666,
79.8308

■ 32.3192, 38.3666,
79.8308

■ 29.5669, 34.8252,
79.2931

■ 35.7807, 42.3940,
80.4265

■ 27.4421, 31.7237,
78.8064

■ 40.0133, 46.9392,
81.0807

■ 25.8140, 28.9935,
78.3652

■ 45.0759, 52.0349,
81.7975

■ 25.7935, 28.9581,
78.3595

■ 51.0205, 57.7097,
82.5795

■ 57.8944, 63.9898,
83.4294

■ 65.7415, 70.8993,
84.3495

■ 74.6027, 78.4612,
85.3420

■ 84.5167, 86.6969,
86.4091

■ 87.7298, 91.6108,
87.1883

Harmonies

Analogous

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



28.1790, 38.3666, 65.0981



32.3192, 38.3666, 79.8308



38.0228, 38.3666, 83.1615

Triad

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



32.3192, 38.3666, 79.8308



48.9598, 38.3666, 37.5314



29.9279, 38.3666, 20.9213

Complementary

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



32.3192, 38.3666, 79.8308



40.2263, 30.7648, 9.4499

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.



34.9529, 38.3666, 17.0679



32.3192, 38.3666, 79.8308



46.2373, 38.3666, 24.8167

Square

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



32.3192, 38.3666, 79.8308



48.0587, 38.3666, 55.3914



40.9538, 38.3666, 18.2698



26.9062, 38.3666, 30.5952

Rectangle

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



32.3192, 38.3666, 79.8308



42.0308, 38.3666, 77.8158



40.9538, 38.3666, 18.2698



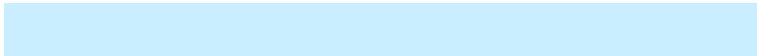
31.4160, 38.3666, 19.0407

Sweetspot

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



32.3205, 38.3679, 79.8318



72.7155, 80.6139, 106.3353



33.8449, 58.6529, 27.2030



15.0256, 16.7672, 22.6944



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.



32.3205, 38.3679, 79.8318



36.3857, 42.5456, 100.9021



20.9977, 15.7222, 76.0575



14.3919, 15.5053, 18.3786



14.8612, 16.7845, 44.8396



1.1818, 1.4075, 3.3414

Inverse Universe

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



42.3782, 24.0901, 44.0124



50.8235, 26.3511, 48.5187



53.9657, 58.2435, 14.0297



14.7854, 14.5314, 17.0704



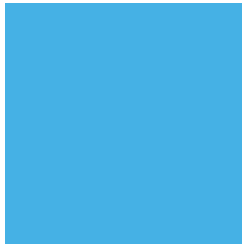
21.8948, 10.8921, 18.8726



1.6601, 0.8218, 1.6168

Previews

White Background



This preview shows how the XYZ color 32.3192, 38.3666, 79.8308 looks on a white background.

Color Contrast Check

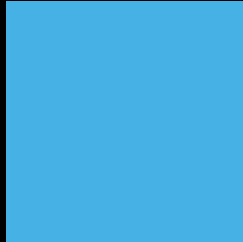
Large Text (above 18pt) WCAG AA × Fail

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 32.3192, 38.3666, 79.8308 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

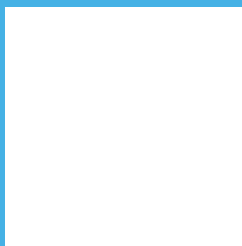
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.3192, 38.3666, 79.8308

Background



This preview shows how black text looks on a background with the XYZ color 32.3192, 38.3666, 79.8308.

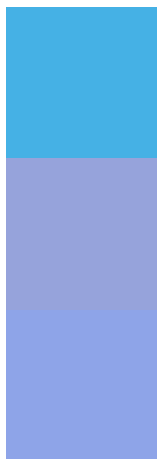


This preview shows how white text looks on a background with the XYZ color 32.3192, 38.3666,

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

32.3192, 38.3666, 79.8308

Protanopia

38.4611, 37.7929, 72.2855

Deuteranopia

38.9963, 38.1279, 81.6480



Tritanopia

28.2988, 38.5485, 59.3752

Trichromacy



Original Color

32.3192, 38.3666, 79.8308

Protanomaly

35.2071, 37.3979, 75.1749

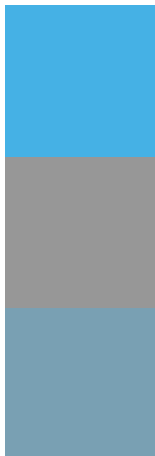
Deuteranomaly

35.6820, 37.7903, 81.0149

Tritanomaly

29.6080, 38.4634, 66.1853

Monochromacy



Original Color

32.3192, 38.3666, 79.8308

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

28.5926, 32.4612, 47.4065

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3192, 38.3666, 79.8308 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(69, 177, 229)` looks like.

```
.text, #text, p{  
    color:rgb(69, 177, 229)  
}
```

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(69, 177, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 177, 229) }
```

Border

The CSS property to change the border of an element to XYZ 32.3192, 38.3666, 79.8308 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(69, 177, 229) }
```


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

```
.border{ border-color:rgb(69, 177, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 177, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 177, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 177, 229);  
box-shadow:4px 4px 4px 4px rgb(69, 177,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3192, 38.3666, 79.8308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 177, 229) }
```

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

```
.background{ background-color: rgb(69, 177,  
229) }
```

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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