

Converting Colors

XYZ(38.3242, 39.6761, 82.7292)

Have a look what the booklet for
XYZ(38.3242, 39.6761, 82.7292)
contains.

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Color

**XYZ(38.3242, 39.6761,
82.7292)**

Conversions

Conversions Part 1

Format	Color
Hex	81ABE9
RGB	129, 171, 233
RGB Percent	51%, 67%, 91%
CMY	0.4941, 0.3294, 0.0863
CMYK	0.45, 0.27, 0.00, 0.09
HSL	216°, 70%, 71%
HSV	216°, 45%, 91%
XYZ	38.3242, 39.6761, 82.7292
YIQ	165.5100, -44.9340, 10.3780

Conversions

Conversions Part 2

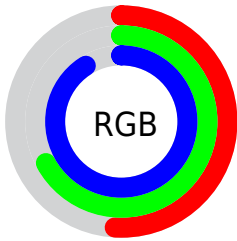
Format	Color
R _Y B	129, 159, 233
Decimal	8498153
CIE Lab	69.24, 1.98, -35.54
CIE LCh	69, 35.593, 273.190
Yxy	39.6761, 0.2384, 0.2469
Android (android.graphics.Color)	4286688233 (0xFF81ABE9)
YUV	165.5100, 33.2726, -32.0193
Hunter-Lab	62.9890, -1.6264, -33.7787

Details

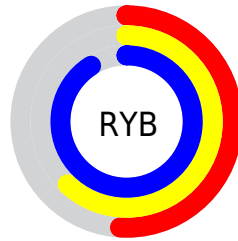
The XYZ color **38.3242, 39.6761, 82.7292** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **56.1990, 56.1721, 28.6510**, and the grayscale version is **35.8708, 37.7389, 41.0976**.

A 20% lighter version of the original color is **65.4961, 72.0518, 105.0631**, and **17.2803, 17.7844, 44.1169** is the 20% darker color. If you saturate the color by 10%, you get **32.6929, 33.0812, 81.7538**, and if you desaturate by 10%, it is **45.0409, 47.2414, 83.8362**.

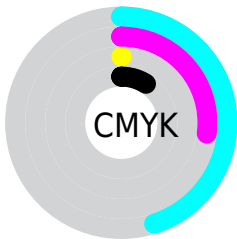
Distribution



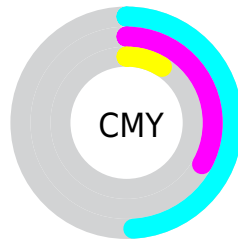
- Red (51%)
- Green (67%)
- Blue (91%)



- Red (51%)
- Yellow (62%)
- Blue (91%)



- Cyan (45%)
- Magenta (27%)
- Yellow (0%)
- Black (9%)



- Cyan (49%)
- Magenta (33%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3242, 39.6761, 82.7292 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 38.3242, 39.6761, 82.7292 by changing the saturation by 10% instead.

■ 38.3242, 39.6761,
82.7292

■ 38.3242, 39.6761,
82.7292

330.2655,
344.7565, 524.0309

■ 26.4128, 27.2861,
61.4275

■ 71.9055, 74.6700,
139.0420

■ 17.2670, 17.7882,
44.1374

■ 94.3060, 98.0428,
174.8901

■ 10.5215, 10.7980,
30.4406

■ 120.9337,
125.8452, 216.4240

■ 5.8110, 5.9312,
19.9184

152.1537,
158.4617, 264.0624

■ 2.7701, 2.8033,
12.1522

188.3316,
196.2767, 318.2238

■ 1.0334, 1.0299,
6.7236

229.8326,

■ 0.0000, 0.0000,

239.6745, 379.3266

3.2141

277.0221,
289.0397, 447.7895

■ 0.0000, 0.0000,
1.2049

■ 0.0000, 0.0000,
0.0000

■ 38.3242, 39.6761,
82.7292

■ 38.3242, 39.6761,
82.7292

■ 32.6929, 33.0812,
81.7538

■ 45.0409, 47.2414,
83.8362

■ 28.0788, 27.4067,
80.9017

■ 52.8973, 55.8149,
85.0770

■ 24.4119, 22.6040,
80.1680

■ 61.9487, 65.4374,
86.4572

■ 21.6099, 18.6169,
79.5460

■ 72.2457, 76.1459,
87.9815

■ 19.5741, 15.3795,
79.0285

■ 83.8355, 87.9757,
89.6540

■ 18.7192, 13.9055,
78.7890

■ 91.5000, 98.2470,
91.2326

■ 91.7081, 98.6633,
91.3020

Harmonies

Analogous

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



32.9806, 39.6761, 77.7065



38.3242, 39.6761, 82.7292



44.0344, 39.6761, 75.1514

Triad

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



38.3242, 39.6761, 82.7292



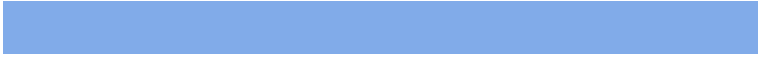
47.6464, 39.6761, 28.1953



28.7506, 39.6761, 30.5337

Complementary

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



38.3242, 39.6761, 82.7292



56.1990, 56.1721, 28.6510

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.



32.0238, 39.6761, 21.8973



38.3242, 39.6761, 82.7292



42.8733, 39.6761, 20.8054

Square

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



38.3242, 39.6761, 82.7292



49.7464, 39.6761, 41.4771



37.1043, 39.6761, 18.8285



27.7924, 39.6761, 44.9711

Rectangle

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



38.3242, 39.6761, 82.7292



47.1839, 39.6761, 64.8680



37.1043, 39.6761, 18.8285



29.5992, 39.6761, 26.9911

Sweetspot

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



38.3256, 39.6776, 82.7302



77.9046, 82.2785, 106.3831



47.4514, 66.6492, 58.8896



16.1083, 17.0161, 22.6854



0.0000, 0.0000, 0.0000



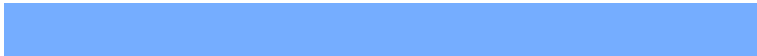
20.3446, 21.4041, 23.3091

Same Dimension

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



38.3256, 39.6776, 82.7302



40.3525, 40.8747, 100.3705



32.9860, 26.9604, 80.5569



14.7306, 15.5475, 19.1468



10.7357, 8.1184, 44.7441



0.9351, 0.8217, 3.5442

Inverse Universe

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



48.8065, 35.9661, 42.8991



55.1703, 37.0662, 43.7354



63.9463, 75.7644, 32.0243



15.3175, 15.1549, 16.9575



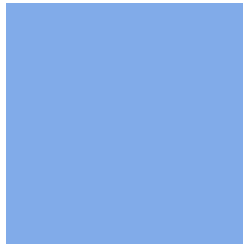
20.2742, 10.3124, 7.2452



1.6385, 0.8284, 0.8138

Previews

White Background



This preview shows how the XYZ color 38.3242, 39.6761, 82.7292 looks on a white background.

Color Contrast Check

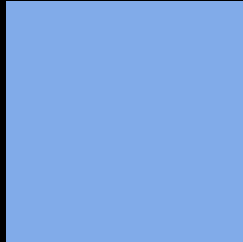
Large Text (above 18pt) WCAG AA × Fail

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 38.3242, 39.6761, 82.7292 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

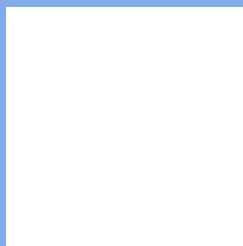
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.3242, 39.6761, 82.7292

Background



This preview shows how black text looks on a background with the XYZ color 38.3242, 39.6761, 82.7292.



This preview shows how white text looks on a background with the XYZ color 38.3242, 39.6761,

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

38.3242, 39.6761, 82.7292

Protanopia

40.3568, 39.4136, 79.6093

Deuteranopia

40.5201, 39.4160, 83.3143



Tritanopia

33.0172, 39.5426, 56.3444

Trichromacy



Original Color

38.3242, 39.6761, 82.7292

Protanomaly

39.4409, 39.4692, 80.4025

Deuteranomaly

39.6691, 39.5212, 83.3795

Tritanomaly

34.7412, 39.3516, 65.4391

Monochromacy



Original Color

38.3242, 39.6761, 82.7292

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.4338, 38.4953, 54.2253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3242, 39.6761, 82.7292 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, 171, 233)` looks like.

```
.text, #text, p{  
    color:rgb(129, 171, 233)  
}
```

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, 171, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 171, 233) }
```

Border

The CSS property to change the border of an element to XYZ 38.3242, 39.6761, 82.7292 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, 171, 233) }
```


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

```
.border{ border-color:rgb(129, 171, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 171, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 171, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 171, 233); box-shadow:4px 4px 4px 4px rgb(129, 171, 233) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3242, 39.6761, 82.7292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 171, 233) }
```

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

```
.background{ background-color: rgb(129,  
171, 233) }
```

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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