

Converting Colors

XYZ(36.3546, 33.7030, 88.7907)

Have a look what the booklet for
XYZ(36.3546, 33.7030, 88.7907)
contains.

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Color

**XYZ(36.3203, 33.7825,
88.6108)**

Conversions

Conversions Part 1

Format	Color
Hex	8099F2
RGB	128, 153, 242
RGB Percent	50%, 60%, 95%
CMY	0.4980, 0.4000, 0.0510
CMYK	0.47, 0.37, 0.00, 0.05
HSL	227°, 81%, 73%
HSV	227°, 47%, 95%
XYZ	36.3203, 33.7825, 88.6108
YIQ	155.6710, -43.4690, 22.3790

Conversions

Conversions Part 2

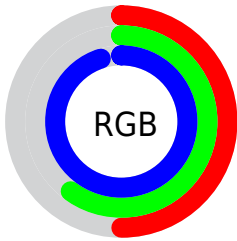
Format	Color
R _Y B	128, 149, 242
Decimal	8428018
CIE Lab	64.79, 14.60, -47.43
CIE LCh	65, 49.631, 287.111
Yxy	33.7825, 0.2288, 0.2129
Android (android.graphics.Color)	4286618098 (0xFF8099F2)
YUV	155.6710, 42.5602, -24.2675
Hunter-Lab	58.1227, 9.8281, -49.7045

Details

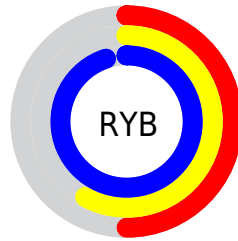
The XYZ color **36.3203, 33.7825, 88.6108** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **65.3285, 70.0633, 30.5041**, and the grayscale version is **31.2851, 32.9143, 35.8437**.

A 20% lighter version of the original color is **60.6125, 62.2848, 103.4353**, and **16.0341, 14.3076, 47.8155** is the 20% darker color. If you saturate the color by 10%, you get **30.2536, 26.4226, 87.5106**, and if you desaturate by 10%, it is **43.7471, 42.5714, 89.9165**.

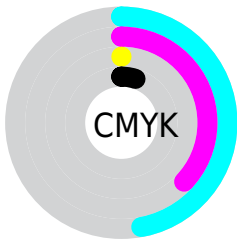
Distribution



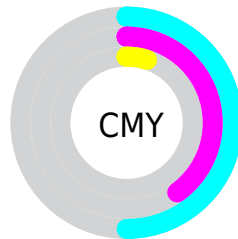
- Red (50%)
- Green (60%)
- Blue (95%)



- Red (50%)
- Yellow (58%)
- Blue (95%)



- Cyan (47%)
- Magenta (37%)
- Yellow (0%)
- Black (5%)



- Cyan (50%)
- Magenta (40%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3203, 33.7825, 88.6108 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 36.3203, 33.7825, 88.6108 by changing the saturation by 10% instead.

■ 36.3203, 33.7825,
88.6108

■ 36.3203, 33.7825,
88.6108

321.7652,
319.1611, 543.9545

■ 24.8529, 22.7266,
66.2618

■ 68.8468, 65.5953,
147.3258

■ 16.0957, 14.3917,
48.0272

■ 90.6366, 87.1209,
184.5290

■ 9.6831, 8.3936,
33.4882

■ 116.5980,
112.9053, 227.5206

■ 5.2500, 4.3478,
22.2266

147.0962,
143.3327, 276.7192

■ 2.4310, 1.8700,
13.8236

182.4967,
178.7876, 332.5433

■ 0.8606, 0.5302,
7.8607

223.1648,

■ 0.0000, 0.0000,

219.6544, 395.4116

3.9195

269.4659,
266.3174, 465.7424

■ 0.0000, 0.0000,
1.5813

■ 0.0000, 0.0000,
0.2774

■ 36.3203, 33.7825,
88.6108

■ 36.3203, 33.7825,
88.6108

■ 30.2536, 26.4226,
87.5106

■ 43.7471, 42.5714,
89.9165

■ 25.4575, 20.4099,
86.6028

■ 52.6082, 52.8579,
91.4349

■ 21.8373, 15.6593,
85.8767

■ 62.9767, 64.7102,
93.1762

■ 19.2824, 12.0734,
85.3192

■ 74.9198, 78.1913,
95.1488

■ 17.6550, 9.5365,
84.9153

■ 88.5003, 93.3604,
97.3610

■ 17.3033, 8.9632,
84.8232

■ 93.0271, 99.1909,
98.2478

Harmonies

Analogous

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



29.1431, 33.7825, 89.9647



36.3203, 33.7825, 88.6108



43.2549, 33.7825, 70.5565

Triad

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



36.3203, 33.7825, 88.6108



42.3885, 33.7825, 14.8419



20.4995, 33.7825, 28.6914

Complementary

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



36.3203, 33.7825, 88.6108



65.3285, 70.0633, 30.5041

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.



23.0643, 33.7825, 15.9885



36.3203, 33.7825, 88.6108



35.2701, 33.7825, 10.2267

Square

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



36.3203, 33.7825, 88.6108



47.0989, 33.7825, 26.3855



28.2370, 33.7825, 10.5494



20.6942, 33.7825, 49.6068

Rectangle

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



36.3203, 33.7825, 88.6108



46.4904, 33.7825, 54.2937



28.2370, 33.7825, 10.5494



21.0494, 33.7825, 23.5119

Sweetspot

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



36.3216, 33.7837, 88.6116



74.8580, 77.3351, 105.5895



52.9726, 73.0213, 75.8635



15.4250, 15.8758, 22.5013



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.



36.3216, 33.7837, 88.6116



34.0392, 29.7170, 98.5496



37.9270, 29.1605, 87.6346



15.1783, 15.7907, 19.9695



9.3775, 4.9792, 45.5947



0.8514, 0.5568, 3.8168

Inverse Universe

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



50.0880, 36.6170, 34.5659



51.6250, 34.2752, 29.2988



62.6857, 79.0014, 32.3686



15.9147, 15.8156, 17.1069



20.0589, 10.2960, 2.9609



1.7047, 0.8709, 0.4358

Previews

White Background



This preview shows how the XYZ color 36.3203, 33.7825, 88.6108 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 36.3203, 33.7825, 88.6108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

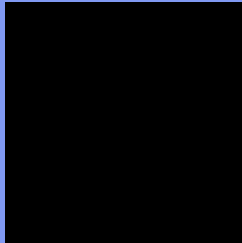
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.3203, 33.7825, 88.6108

Background



This preview shows how black text looks on a background with the XYZ color 36.3203, 33.7825, 88.6108.



This preview shows how white text looks on a background with the XYZ color 36.3203, 33.7825,

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

36.3203, 33.7825, 88.6108

Protanopia

36.0454, 33.8674, 89.4313

Deuteranopia

34.7051, 33.7052, 87.8957



Tritanopia

28.2033, 33.8421, 47.6935

Trichromacy



Original Color

36.3203, 33.7825, 88.6108

Protanomaly

36.1907, 33.9422, 89.4381

Deuteranomaly

35.2063, 33.7155, 87.8713

Tritanomaly

30.7417, 33.5359, 60.7299

Monochromacy



Original Color

36.3203, 33.7825, 88.6108

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.5450, 33.1415, 51.6954

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3203, 33.7825, 88.6108 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(128, 153, 242)` looks like.

```
.text, #text, p{  
    color:rgb(128, 153, 242)  
}
```

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(128, 153, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 153, 242) }
```

Border

The CSS property to change the border of an element to XYZ 36.3203, 33.7825, 88.6108 is called "border". The border property can be set on classes, ids or directly on the HTML element.

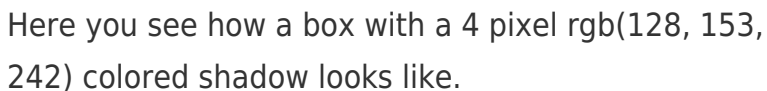
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 153, 242) }
```


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

```
.border{ border-color:rgb(128, 153, 242) }
```

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



Here you see how a box with a 4 pixel `rgb(128, 153, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 153, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 153, 242);  
box-shadow:4px 4px 4px 4px rgb(128, 153,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3203, 33.7825, 88.6108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 153, 242) }
```

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

```
.background{ background-color: rgb(128,  
153, 242) }
```

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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