

Converting Colors

XYZ(23.7975, 35.5021, 5.9070)

Have a look what the booklet for
XYZ(23.7975, 35.5021, 5.9070)
contains.

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Color

**XYZ(23.8086, 35.6060,
5.9344)**

Conversions

Conversions Part 1

Format	Color
Hex	7AB10B
RGB	122, 177, 11
RGB Percent	48%, 69%, 4%
CMY	0.5216, 0.3059, 0.9568
CMYK	0.31, 0.00, 0.94, 0.31
HSL	80°, 88%, 37%
HSV	80°, 94%, 69%
XYZ	23.8086, 35.6060, 5.9344
YIQ	141.6310, 20.5060, -63.2860

Conversions

Conversions Part 2

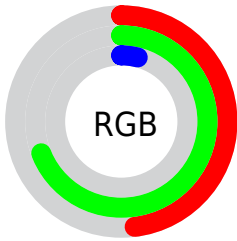
Format	Color
RYB	11, 177, 66
Decimal	8040715
CIELab	66.22, -39.20, 65.93
CIELCh	66, 76.700, 120.736
Yxy	35.6060, 0.3643, 0.5449
Android (android.graphics.Color)	4286230795 (0xFF7AB10B)
YUV	141.6310, -64.4011, -17.2164
Hunter-Lab	59.6708, -33.2024, 35.8730

Details

The XYZ color **23.8086, 35.6060, 5.9344** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **10.3042, 4.5732, 41.9366**, and the grayscale version is **25.8074, 27.1514, 29.5679**.

A 20% lighter version of the original color is **49.1773, 68.4407, 18.2079**, and **9.4544, 15.5736, 2.5077** is the 20% darker color. If you saturate the color by 10%, you get **23.2416, 35.3219, 5.5928**, and if you desaturate by 10%, it is **24.8230, 36.1119, 6.8061**.

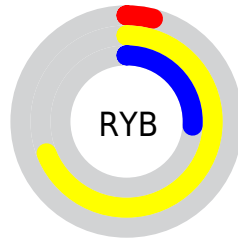
Distribution



Red (48%)

Green (69%)

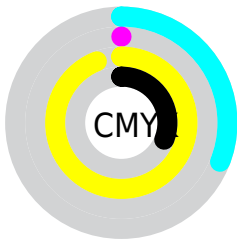
Blue (4%)



Red (4%)

Yellow (69%)

Blue (26%)

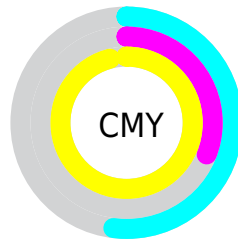


Cyan (31%)

Magenta (0%)

Yellow (94%)

Black (31%)



Cyan (52%)


Magenta (31%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.8086, 35.6060, 5.9344 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 23.8086, 35.6060, 5.9344 by changing the saturation by 10% instead.


 23.8086, 35.6060,
5.9344


 23.8086, 35.6060,
5.9344

264.3099,
327.2352, 167.7700

 15.3157, 24.1301,
2.7371


 49.1746, 68.4235,
18.2699


 9.1290, 15.4301,
0.9620


 66.7784, 90.5339,
28.2452

 4.8832, 9.1218,
0.0000


 88.1499, 116.9578,
41.3168

 2.2129, 4.8207,
0.0000

 113.6544,
148.0797, 57.9034

 0.7495, 2.1425,
0.0000

 143.6573,
184.2840, 78.4235

 0.0000, 0.6883,
0.0000

 178.5240,

 0.0000, 0.0000,

225.9551, 103.2956

0.0000

218.6197,
273.4773, 132.9382

■ 23.8086, 35.6060,
5.9344

■ 23.8086, 35.6060,
5.9344

■ 23.2416, 35.3219,
5.5928

■ 24.8230, 36.1119,
6.8061

■ 26.0130, 36.6926,
8.3394

■ 27.3990, 37.3577,
10.6347

■ 28.9975, 38.1140,
13.7748

■ 30.8232, 38.9673,
17.8316

■ 32.8889, 39.9228,
22.8695

■ 35.2065, 40.9855,
28.9472

■ 37.7870, 42.1597,
36.1185

■ 40.6408, 43.4498,
44.4336

Harmonies

Analogous

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



33.5610, 35.6060, 3.7484



23.8086, 35.6060, 5.9344



18.0648, 35.6060, 15.4255

Triad

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



23.8086, 35.6060, 5.9344



24.1974, 35.6060, 123.6583



60.9120, 35.6060, 37.9662

Complementary

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



23.8086, 35.6060, 5.9344



10.3042, 4.5732, 41.9366

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.



56.8586, 35.6060, 78.3853



23.8086, 35.6060, 5.9344



34.1255, 35.6060, 141.8779

Square

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



23.8086, 35.6060, 5.9344



18.2512, 35.6060, 80.6453



46.3607, 35.6060, 121.9151



56.4607, 35.6060, 14.6805

Rectangle

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



23.8086, 35.6060, 5.9344



16.4582, 35.6060, 29.4949



46.3607, 35.6060, 121.9151



60.4916, 35.6060, 49.8077

Sweetspot

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



23.8094, 35.6076, 5.9352



61.0416, 72.4808, 46.4849



20.0026, 12.9913, 1.7704



12.8568, 15.5370, 9.1106



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



23.8094, 35.6076, 5.9352



41.3797, 63.1319, 10.0047



16.7158, 31.9507, 5.6032



8.9180, 9.7628, 9.0669



16.9048, 25.6248, 4.0551



0.5905, 0.8365, 0.1303

Inverse Universe

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



10.3042, 4.5732, 41.9366



17.1973, 7.2237, 74.9832



20.0122, 9.5778, 42.3909



8.2985, 8.3624, 10.6831



7.1000, 2.9960, 30.3411



0.2867, 0.1269, 0.9576

Previews

White Background



This preview shows how the XYZ color 23.8086, 35.6060, 5.9344 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 23.8086, 35.6060, 5.9344 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 23.8086, 35.6060, 5.9344

Background



This preview shows how black text looks on a background with the XYZ color 23.8086, 35.6060, 5.9344.



This preview shows how white text looks on a background with the XYZ color 23.8086, 35.6060,

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

23.8086, 35.6060, 5.9344

Deuteranopia

35.8887, 35.1344, 6.4802

Tritanopia

32.1385, 35.6136, 47.2997

Trichromacy



Original Color

23.8086, 35.6060, 5.9344

Deuteranomaly

30.1649, 34.4486, 6.0367

Tritanomaly

27.0717, 34.6468, 22.0903

Monochromacy



Original Color

23.8086, 35.6060, 5.9344

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

23.7334, 29.4017, 15.0139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8086, 35.6060, 5.9344 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(122, 177, 11)` looks like.

```
.text, #text, p{  
    color:rgb(122, 177, 11)  
}
```

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(122, 177, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 177, 11) }
```

Border

The CSS property to change the border of an element to XYZ 23.8086, 35.6060, 5.9344 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(122, 177, 11) }
```

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

```
.border{ border-color:rgb(122, 177, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 177, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 177, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 177, 11);  
box-shadow:4px 4px 4px 4px rgb(122, 177,  
11) }
```


Background

The CSS property to change the background color of an element to XYZ 23.8086, 35.6060, 5.9344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 177, 11) }
```

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

```
.background{ background-color: rgb(122,  
177, 11) }
```

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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