

Converting Colors

XYZ(35.8660, 23.4086, 80.5100)

Have a look what the booklet for
XYZ(35.8660, 23.4086, 80.5100)
contains.

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Color

**XYZ(35.8907, 23.4102,
80.4689)**

Conversions

Conversions Part 1

Format	Color
Hex	AA63EA
RGB	170, 99, 234
RGB Percent	67%, 39%, 92%
CMY	0.3333, 0.6118, 0.0824
CMYK	0.27, 0.58, 0.00, 0.08
HSL	272°, 76%, 65%
HSV	272°, 58%, 92%
XYZ	35.8907, 23.4102, 80.4689
YIQ	135.6190, -1.0190, 57.0370

Conversions

Conversions Part 2

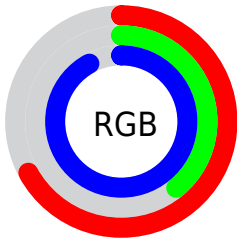
Format	Color
R _{YB}	170, 99, 234
Decimal	11166698
CIE Lab	55.49, 53.24, -57.56
CIE LCh	55, 78.407, 312.767
Yxy	23.4102, 0.2568, 0.1675
Android (android.graphics.Color)	4289356778 (0xFFAA63EA)
YUV	135.6190, 48.5018, 30.1521
Hunter-Lab	48.3841, 47.7369, -64.7380

Details

The XYZ color **35.8907, 23.4102, 80.4689** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **46.7795, 67.5334, 22.3747**, and the grayscale version is **23.0854, 24.2876, 26.4492**.

A 20% lighter version of the original color is **61.2731, 46.1705, 100.2901**, and **15.7624, 8.7181, 42.4470** is the 20% darker color. If you saturate the color by 10%, you get **31.6888, 18.4165, 79.7269**, and if you desaturate by 10%, it is **40.9391, 29.7941, 81.4355**.

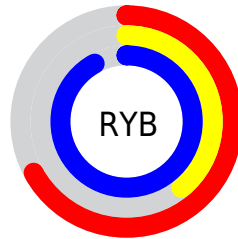
Distribution



Red (67%)

Green (39%)

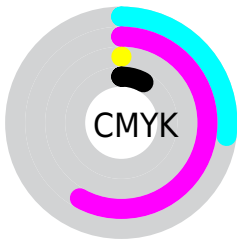
Blue (92%)



Red (67%)

Yellow (39%)

Blue (92%)

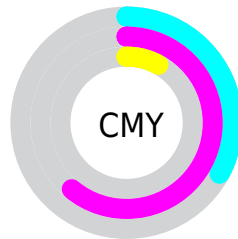


Cyan (27%)

Magenta (58%)

Yellow (0%)

Black (8%)



Cyan (33%)


Magenta (61%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8907, 23.4102, 80.4689 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 35.8907, 23.4102, 80.4689 by changing the saturation by 10% instead.

 35.8907, 23.4102,
80.4689


 35.8907, 23.4102,
80.4689

319.9221,
269.8249, 516.2600

 24.5195, 14.8967,
59.5759


 68.1883, 49.0660,
135.8421


 15.8463, 8.7469,
42.6538


 89.8454, 66.9771,
171.1594

 9.5056, 4.5765,
29.2842


 115.6619, 88.7895,
212.1218

 5.1321, 2.0010,
19.0485

 146.0031,
114.8876, 259.1479

 2.3606, 0.6080,
11.5281

181.2344,
145.6558, 312.6562

 0.8254, 0.0000,
6.3046

221.7211,

 0.0000, 0.0000,

181.4785, 373.0653

2.9594

267.8285,
222.7401, 440.7938

■ 0.0000, 0.0000,
1.0740

■ 0.0000, 0.0000,
0.0000

■ 35.8907, 23.4102,
80.4689

■ 35.8907, 23.4102,
80.4689

■ 31.6888, 18.4165,
79.7269

■ 40.9391, 29.7941,
81.4355

■ 28.2681, 14.6935,
79.1886

■ 46.8860, 37.6687,
82.6420

■ 25.5572, 12.1047,
78.8318

■ 53.7826, 47.1281,
84.1043

■ 23.4599, 10.4654,
78.6259

■ 61.6749, 58.2577,
85.8366

■ 23.0298, 10.1567,
78.5890

■ 70.6055, 71.1366,
87.8518

■ 80.6147, 85.8388,
90.1620

■ 89.2004, 97.3539,
91.9322

■ 91.8514, 98.7205,
92.0562

Harmonies

Analogous

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



26.2191, 23.4102, 108.4444



35.8907, 23.4102, 80.4689



42.7341, 23.4102, 42.7860

Triad

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



35.8907, 23.4102, 80.4689



27.6711, 23.4102, 1.5408



9.4567, 23.4102, 37.8211

Complementary

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



35.8907, 23.4102, 80.4689



46.7795, 67.5334, 22.3747

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.



9.6517, 23.4102, 13.6245



35.8907, 23.4102, 80.4689



18.7044, 23.4102, 1.3946

Square

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



35.8907, 23.4102, 80.4689



37.1931, 23.4102, 4.6729



12.5957, 23.4102, 3.8603



11.9662, 23.4102, 74.8386

Rectangle

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



35.8907, 23.4102, 80.4689



43.8918, 23.4102, 23.2126



12.5957, 23.4102, 3.8603



9.2323, 23.4102, 27.9111

Sweetspot

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



35.8917, 23.4111, 80.4694



75.5855, 71.7008, 104.4636



33.3177, 35.2344, 82.8872



15.7393, 14.7209, 22.2618



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.



35.8917, 23.4111, 80.4694



37.7728, 21.5434, 96.7752



52.9240, 32.2287, 79.5897



14.9873, 14.9387, 19.0158



13.0880, 5.7830, 44.1694



1.1387, 0.5113, 3.4736

Inverse Universe

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



45.0048, 29.0610, 37.8876



50.6023, 29.4842, 37.4217



36.9302, 62.4433, 22.4832



15.3628, 15.1730, 17.1957



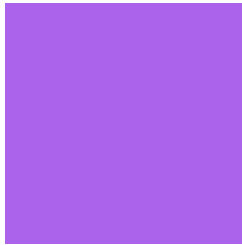
20.7406, 10.4989, 9.7013



1.6769, 0.8437, 1.0162

Previews

White Background



This preview shows how the XYZ color 35.8907, 23.4102, 80.4689 looks on a white background.

Color Contrast Check

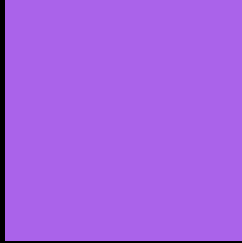
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.8907, 23.4102, 80.4689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

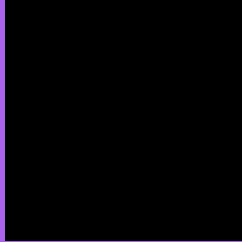
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.8907, 23.4102, 80.4689

Background



This preview shows how black text looks on a background with the XYZ color 35.8907, 23.4102, 80.4689.



This preview shows how white text looks on a background with the XYZ color 35.8907, 23.4102,

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

35.8907, 23.4102, 80.4689

Protanopia

27.8247, 23.9126, 97.7568

Deuteranopia

24.5046, 23.6862, 75.9534



Tritanopia

24.7829, 23.3464, 26.1218

Trichromacy



Original Color

35.8907, 23.4102, 80.4689



Protanomaly

28.6338, 22.4390, 90.8177



Deuteranomaly

26.7138, 22.2715, 77.7538



Tritanomaly

27.8942, 22.8020, 41.4591

Monochromacy



Original Color

35.8907, 23.4102, 80.4689



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

26.7421, 23.4404, 42.1447

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8907, 23.4102, 80.4689 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(170, 99, 234)` looks like.

```
.text, #text, p{  
    color:rgb(170, 99, 234)  
}
```

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(170, 99, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 99, 234) }
```

Border

The CSS property to change the border of an element to XYZ 35.8907, 23.4102, 80.4689 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(170, 99, 234) }
```


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

```
.border{ border-color:rgb(170, 99, 234) }
```

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

Here you see how a box with a 4 pixel rgb(170, 99, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 99, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 99, 234);  
box-shadow:4px 4px 4px 4px rgb(170, 99,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8907, 23.4102, 80.4689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 99, 234) }
```

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

```
.background{ background-color: rgb(170, 99,  
234) }
```

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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