

Converting Colors

XYZ(9.5700, 13.3727, 1.3811)

Have a look what the booklet for
XYZ(9.5700, 13.3727, 1.3811)
contains.

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Color

**XYZ(9.7089, 13.4436,
2.0832)**

Conversions

Conversions Part 1

Format	Color
Hex	586F00
RGB	88, 111, 0
RGB Percent	35%, 44%, 0%
CMY	0.6549, 0.5647, 1.0000
CMYK	0.21, 0.00, 1.00, 0.56
HSL	72°, 100%, 22%
HSV	72°, 100%, 44%
XYZ	9.7089, 13.4436, 2.0832
YIQ	91.4690, 21.9230, -39.3970

Conversions

Conversions Part 2

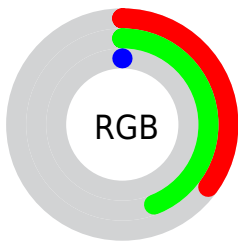
Format	Color
RYB	0, 111, 23
Decimal	5795584
CIELab	43.42, -22.41, 48.96
CIELCh	43, 53.848, 114.592
Yxy	13.4436, 0.3847, 0.5327
Android (android.graphics.Color)	4283985664 (0xFF586F00)
YUV	91.4690, -45.0942, -3.0423
Hunter-Lab	36.6655, -16.8985, 22.2972

Details

The XYZ color **9.7089, 13.4436, 2.0832** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.2231, 1.3302, 15.1267**, and the grayscale version is **10.1478, 10.6762, 11.6264**.

A 20% lighter version of the original color is **24.9240, 32.1940, 9.3153**, and **2.5405, 3.9483, 0.6282** is the 20% darker color. If you saturate the color by 10%, you get **9.7090, 13.4441, 2.0833**, and if you desaturate by 10%, it is **9.9914, 13.5827, 2.4150**.

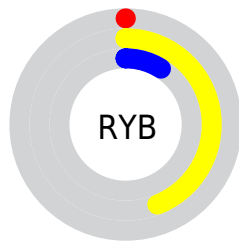
Distribution



Red (35%)

Green (44%)

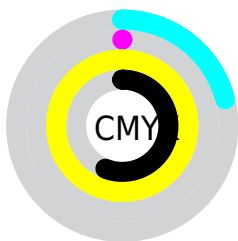
Blue (0%)



Red (0%)

Yellow (44%)

Blue (9%)

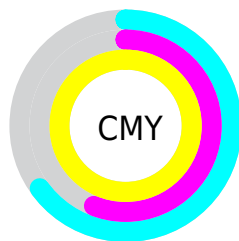


Cyan (21%)

Magenta (0%)

Yellow (100%)

Black (56%)



Cyan (65%)

Magenta (56%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.7089, 13.4436, 2.0832 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 9.7089, 13.4436, 2.0832 by changing the saturation by 10% instead.

9.7089, 13.4436,
2.0832

9.7089, 13.4436,
2.0832

182.6790,
213.7414, 123.6556

5.2672, 7.7347,
0.6057

24.9012, 32.0985,
9.2670

2.4412, 3.9257,
0.0000

36.3825, 45.8132,
15.8531

0.8657, 1.6321,
0.0000

50.9409, 62.9654,
24.9933

0.0000, 0.3791,
0.0000

68.9420, 83.9394,
37.1062


0.0000, 0.0000,
0.0000


90.7510, 109.1196,
52.6104


116.7332,


138.8904, 71.9243


 147.2541,
173.6362, 95.4665


 9.7089, 13.4436,
2.0832


 9.7089, 13.4436,
2.0832


 9.7090, 13.4441,
2.0833

 9.9914, 13.5827,
2.4150

 10.3054, 13.7346,
2.8775

 10.6726, 13.9087,
3.5837

 11.0983, 14.1069,
4.5613

 11.5872, 14.3313,
5.8343

■ 12.1433, 14.5834,
7.4238

■ 12.7704, 14.8647,
9.3494

■ 13.4719, 15.1766,
11.6288

■ 14.2510, 15.5204,
14.2785

Harmonies

Analogous

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



13.5524, 13.4436, 1.5863



9.7089, 13.4436, 2.0832



7.2706, 13.4436, 4.9242

Triad

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



9.7089, 13.4436, 2.0832



8.6542, 13.4436, 42.6575



22.5969, 13.4436, 16.9226

Complementary

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



9.7089, 13.4436, 2.0832



3.2231, 1.3302, 15.1267

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.



20.5358, 13.4436, 32.4955



9.7089, 13.4436, 2.0832



12.0332, 13.4436, 51.7341

Square

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



9.7089, 13.4436, 2.0832



6.7615, 13.4436, 26.4964



16.4334, 13.4436, 47.2512



21.5956, 13.4436, 6.9807

Rectangle

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



9.7089, 13.4436, 2.0832



6.4768, 13.4436, 9.3221



16.4334, 13.4436, 47.2512



22.2279, 13.4436, 21.6660

Sweetspot

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



9.7092, 13.4442, 2.0835



22.7688, 26.5727, 16.4332



6.8468, 3.9615, 0.4040



5.3794, 6.3433, 3.6650



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



9.7092, 13.4442, 2.0835



17.2789, 24.0181, 3.7253



6.3219, 11.6980, 1.9250



3.5775, 3.8830, 3.6343



11.4189, 15.8304, 2.4537



56.1552, 78.4831, 12.1891

Inverse Universe

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



3.2231, 1.3302, 15.1267



5.6769, 2.3330, 27.0809



5.9872, 2.7552, 15.2560



3.2763, 3.3307, 4.2244



3.7780, 1.5571, 17.8230



18.2212, 7.4477, 88.7563

Previews

White Background



This preview shows how the XYZ color 9.7089, 13.4436, 2.0832 looks on a white background.

Color Contrast Check

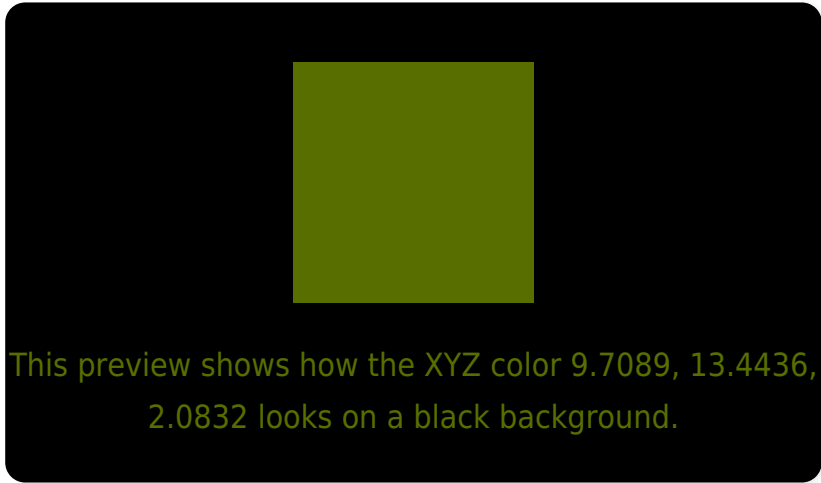
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black 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

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

XYZ 9.7089, 13.4436, 2.0832

Background



This preview shows how black text looks on a background with the XYZ color 9.7089, 13.4436, 2.0832.



This preview shows how white text looks on a background with the XYZ color 9.7089, 13.4436,

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

9.7089, 13.4436, 2.0832

Protanopia

12.0527, 13.4135, 1.9538

Deuteranopia

13.4542, 13.2670, 2.5135



Tritanopia

12.6493, 13.3896, 16.9567

Trichromacy



Original Color

9.7089, 13.4436, 2.0832

Protanomaly

11.0979, 13.3722, 1.9962

Deuteranomaly

11.7634, 13.1092, 2.2911

Tritanomaly

10.9075, 13.1427, 7.9231

Monochromacy



Original Color

9.7089, 13.4436, 2.0832

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

9.3479, 11.2145, 5.6749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.7089, 13.4436, 2.0832 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(88, 111, 0)` looks like.

```
.text, #text, p{  
    color:rgb(88, 111, 0)  
}
```

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(88, 111, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 111, 0) }
```

Border

The CSS property to change the border of an element to XYZ 9.7089, 13.4436, 2.0832 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(88, 111, 0) }
```


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

```
.border{ border-color:rgb(88, 111, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 111, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 111, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 111, 0);  
box-shadow:4px 4px 4px 4px rgb(88, 111, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.7089, 13.4436, 2.0832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 111, 0) }
```

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

```
.background{ background-color: rgb(88, 111,  
0) }
```

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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