

Converting Colors

XYZ(13.7084, 16.5089, 2.5215)

Have a look what the booklet for
XYZ(13.7084, 16.5089, 2.5215)
contains.

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Color

**XYZ(13.7084, 16.5089,
2.5215)**

Conversions

Conversions Part 1

Format	Color
Hex	757502
RGB	117, 117, 2
RGB Percent	46%, 46%, 1%
CMY	0.5412, 0.5412, 0.9921
CMYK	0.00, 0.00, 0.98, 0.54
HSL	60°, 97%, 23%
HSV	60°, 98%, 46%
XYZ	13.7084, 16.5089, 2.5215
YIQ	103.8900, 36.9150, -35.7650

Conversions

Conversions Part 2

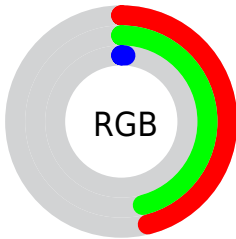
Format	Color
R_{YB}	2, 117, 2
Decimal	7697666
CIE _{Lab}	47.64, -12.08, 52.71
CIE _{LCh}	48, 54.075, 102.906
Yxy	16.5089, 0.4187, 0.5043
Android (android.graphics.Color)	4285887746 (0xFF757502)
YUV	103.8900, -50.2318, 11.4975
Hunter-Lab	40.6311, -10.8810, 24.7624

Details

The XYZ color **13.7084, 16.5089, 2.5215** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.2581, 1.3410, 16.9178**, and the grayscale version is **13.2525, 13.9427, 15.1836**.

A 20% lighter version of the original color is **32.1266, 37.5168, 10.3987**, and **4.3081, 5.3801, 0.8114** is the 20% darker color. If you saturate the color by 10%, you get **13.6978, 16.5053, 2.4639**, and if you desaturate by 10%, it is **13.7751, 16.5362, 2.8710**.

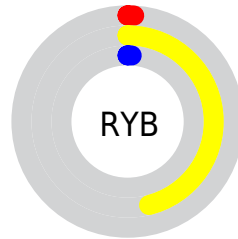
Distribution



Red (46%)

Green (46%)

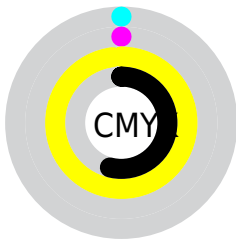
Blue (1%)



Red (1%)

Yellow (46%)

Blue (1%)

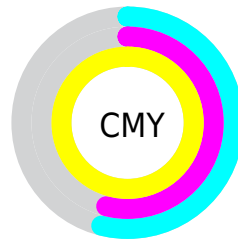


Cyan (0%)

Magenta (0%)

Yellow (98%)

Black (54%)



Cyan (54%)

Magenta (54%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7084, 16.5089, 2.5215 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 13.7084, 16.5089, 2.5215 by changing the saturation by 10% instead.

■ 13.7084, 16.5089,
2.5215

■ 13.7084, 16.5089,
2.5215

208.9563,
232.3262, 130.0113

■ 7.9985, 9.8850,
0.8515

■ 32.1613, 37.4795,
10.4229

■ 4.1458, 5.3228,
0.0000

■ 45.6350, 52.5949,
17.4958

■ 1.7849, 2.4379,
0.0000

■ 62.4274, 71.3096,
27.2082

■ 0.5086, 0.8453,
0.0000


■ 82.9038, 94.0080,
39.9786


■ 0.0000, 0.0000,
0.0000


■ 107.4295,
121.0744, 56.2255


■ 136.3699,


152.8933, 76.3676


 170.0904,
189.8491, 100.8233


 13.7084, 16.5089,
2.5215


 13.7084, 16.5089,
2.5215


 13.6978, 16.5053,
2.4639

 13.7751, 16.5362,
2.8710

 13.8778, 16.5773,
3.4113

 14.0336, 16.6396,
4.2314

 14.2484, 16.7255,
5.3621

 14.5272, 16.8371,
6.8303

■ 14.8747, 16.9761,
8.6597

■ 15.2949, 17.1442,
10.8723

■ 15.7916, 17.3429,
13.4880

■ 16.3685, 17.5736,
16.5254

Harmonies

Analogous

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



18.5802, 16.5089, 2.6597



13.7084, 16.5089, 2.5215



10.1833, 16.5089, 4.6899

Triad

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



13.7084, 16.5089, 2.5215



9.8280, 16.5089, 42.8199



26.3380, 16.5089, 26.9743

Complementary

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



13.7084, 16.5089, 2.5215



3.2581, 1.3410, 16.9178

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.



22.8951, 16.5089, 45.3169



13.7084, 16.5089, 2.5215



13.1184, 16.5089, 57.2261

Square

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



13.7084, 16.5089, 2.5215



8.2723, 16.5089, 24.5890



17.8566, 16.5089, 58.3210



26.5867, 16.5089, 12.6687

Rectangle

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



13.7084, 16.5089, 2.5215



8.7945, 16.5089, 8.3842



17.8566, 16.5089, 58.3210



25.4880, 16.5089, 33.0012

Sweetspot

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



13.7088, 16.5097, 2.5218



27.2683, 30.6508, 18.8428



7.3694, 3.8302, 0.4086



6.2091, 7.0230, 4.0149



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



13.7088, 16.5097, 2.5218



24.5272, 29.5543, 4.4118



8.2065, 13.6731, 2.2643



3.9666, 4.2663, 3.9567



15.0910, 18.1840, 2.7145



73.5401, 88.6131, 13.2281

Inverse Universe

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



3.2581, 1.3410, 16.9178



5.7498, 2.2999, 30.2779



5.0667, 2.2734, 17.0025



3.5006, 3.5899, 4.5986



3.5377, 1.4151, 18.6292



17.2397, 6.8959, 90.7827

Previews

White Background



This preview shows how the XYZ color 13.7084, 16.5089, 2.5215 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



This preview shows how the XYZ color 13.7084, 16.5089, 2.5215 looks on a 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 13.7084, 16.5089, 2.5215

Background



This preview shows how black text looks on a background with the XYZ color 13.7084, 16.5089, 2.5215.



This preview shows how white text looks on a background with the XYZ color 13.7084, 16.5089,

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

13.7084, 16.5089, 2.5215

Protanopia

14.8072, 16.3994, 2.3850

Deuteranopia

16.6946, 16.3987, 2.8576



Tritanopia

17.1370, 16.5816, 19.1270

Trichromacy



Original Color

13.7084, 16.5089, 2.5215

Protanomaly

14.3350, 16.3219, 2.4236

Deuteranomaly

15.5823, 16.4638, 2.7044

Tritanomaly

15.0902, 16.2339, 8.9947

Monochromacy



Original Color

13.7084, 16.5089, 2.5215

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.7884, 14.5937, 7.4530

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7084, 16.5089, 2.5215 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(117, 117, 2)` looks like.

```
.text, #text, p{  
    color:rgb(117, 117, 2)  
}
```

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(117, 117, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 117, 2) }
```

Border

The CSS property to change the border of an element to XYZ 13.7084, 16.5089, 2.5215 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(117, 117, 2) }
```


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

```
.border{ border-color:rgb(117, 117, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 117, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 117, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 117, 2);  
box-shadow:4px 4px 4px 4px rgb(117, 117,  
2) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7084, 16.5089, 2.5215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 117, 2) }
```

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

```
.background{ background-color: rgb(117,  
117, 2) }
```

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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