Converting Colors

XYZ(13.3671, 15.1932, 3.5919)

Have a look what the booklet for XYZ(13.3671, 15.1932, 3.5919) contains.

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Color

XYZ(13.3079, 15.1077, 3.5812)

Conversions

Conversions Part 1

Format	Color
Hex	766E20
RGB	118, 110, 32
RGB Percent	46%, 43%, 13%
CMY	0.5373, 0.5686, 0.8745
CMYK	0.00, 0.07, 0.73, 0.54
HSL	54°, 57%, 29%
HSV	54°, 73%, 46%
XYZ	13.3079, 15.1077, 3.5812
YIQ	103.5000, 29.8060, -22.5620

Conversions

Conversions Part 2

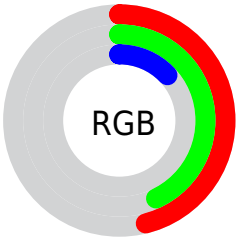
Format	Color
RYB	41, 118, 32
Decimal	7761440
CIELab	45.78, -6.67, 42.44
CIELCh	46, 42.960, 98.926
Yxy	15.1077, 0.4159, 0.4722
Android (android.graphics.Color)	4285951520 (0xFF766E20)
YUV	103.5000, -35.2495, 12.7165
Hunter-Lab	38.8686, -6.9050, 21.7453

Details

The XYZ color 13.3079, 15.1077, 3.5812 is a dark color, and the websafe version is hex 666600. A complement of this color would be 4.6246, 3.1327, 17.5005, and the grayscale version is 13.1104, 13.7932, 15.0208.

A 20% lighter version of the original color is 31.5014, 34.9832, 13.0748, and 4.0922, 4.7483, 0.7008 is the 20% darker color. If you saturate the color by 10%, you get 13.0579, 14.8200, 2.8437, and if you desaturate by 10%, it is 13.6176, 15.4227, 4.6227.

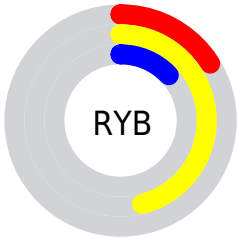
Distribution



Red (46%)

Green (43%)

Blue (13%)



Red (16%)

Yellow (46%)

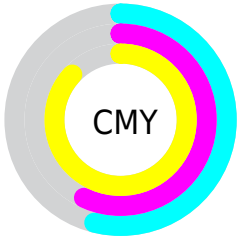
Blue (13%)

Cyan (0%)

Magenta (7%)

Yellow (73%)

Black (54%)



Cyan (54%)

Magenta (57%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3079, 15.1077, 3.5812 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 13.3079, 15.1077, 3.5812 by changing the saturation by 10% instead.

13.3079, 15.1077, 3.5812

13.3079, 15.1077, 3.5812

206.4796, 224.0172, 143.4500

7.7194, 8.8950, 1.3985

31.4525, 35.0420, 13.0318

3.9662, 4.6728, 0.1406

44.7392, 49.5324, 21.1367

1.6830, 2.0566, 0.0000

61.3228, 67.5508, 32.0528

0.4456, 0.6400, 0.0000

81.5684, 89.4817, 46.1987

0.0000, 0.0000, 0.0000

105.8416, 115.7094, 63.9928

134.5076,

146.6182, 85.8537

167.9318, 182.5927, 112.1999

13.3079, 15.1077, 3.5812

13.0579, 14.8200, 2.8437

12.8597, 14.5548, 2.3729

12.7318, 14.3726, 2.1032

13.3079, 15.1077, 3.5812

13.6176, 15.4227, 4.6227

13.9914, 15.7652, 5.9962

14.4346, 16.1379, 7.7279

14.9516, 16.5424, 9.8409

15.5464, 16.9804, 12.3564

16.2228, 17.4534, 15.2940

16.9842, 17.9628, 18.6721

17.8340, 18.5100, 22.5081

18.7753, 19.0962, 26.8183

Harmonies

Analogous

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

17.0060, 15.1077, 3.9904

13.3079, 15.1077, 3.5812

10.4206, 15.1077, 5.3161

Triad

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

13.3079, 15.1077, 3.5812

9.6031, 15.1077, 32.3917

21.8693, 15.1077, 24.6943

Complementary

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

13.3079, 15.1077, 3.5812

4.6246, 3.1327, 17.5005

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.

19.1835, 15.1077, 37.2996

13.3079, 15.1077, 3.5812

12.0027, 15.1077, 42.8874

Square

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

13.3079, 15.1077, 3.5812

8.5301, 15.1077, 19.7351

15.4649, 15.1077, 44.9858

22.3770, 15.1077, 13.5508

Rectangle

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

13.3079, 15.1077, 3.5812

9.1917, 15.1077, 8.1670

15.4649, 15.1077, 44.9858

21.1720, 15.1077, 29.0094

Sweetspot

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

13.3082, 15.1084, 3.5815

27.3727, 29.8836, 21.8854

8.3811, 5.0421, 2.5931

6.2416, 6.8335, 4.8101

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.

13.3082, 15.1084, 3.5815

22.7314, 25.7609, 4.4310

10.3597, 14.9276, 3.7020

3.9390, 4.2109, 3.9475

13.7692, 15.5397, 2.2737

66.7652, 75.0589, 10.9689

Inverse Universe

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

4.6246, 3.1327, 17.5005

6.5598, 3.4950, 30.4659

6.0605, 3.5134, 17.4983

3.5255, 3.6396, 4.6069

3.6618, 1.6633, 18.6706

17.5508, 7.5181, 90.8864

Previews

White Background

This preview shows how the XYZ color 13.3079, 15.1077, 3.5812 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

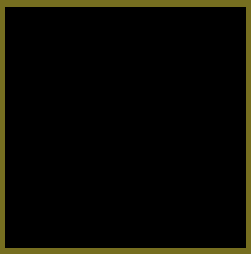
This preview shows how the XYZ color 13.3079, 15.1077, 3.5812 looks on a black background.

Color Contrast Check

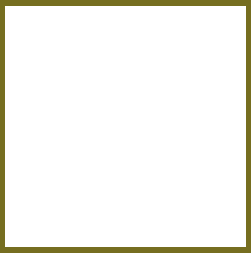
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

XYZ 13.3079, 15.1077, 3.5812 Background



This preview shows how black text looks on a background with the XYZ color 13.3079, 15.1077, 3.5812.



This preview shows how white text looks on a background with the XYZ color 13.3079, 15.1077,

3.5812.

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
13.3079, 15.1077, 3.5812

Protanopia
13.7554, 15.1791, 3.5714

Deuteranopia
15.3070, 15.0561, 3.6895

Tritanopia
16.0317, 15.1333, 17.1150

Trichromacy

Original Color
13.3079, 15.1077, 3.5812

Protanomaly
13.6145, 15.1065, 3.5648

Deuteranomaly
14.4960, 15.0907, 3.6621

Tritanomaly
14.7031, 15.0548, 10.1136

Monochromacy

Original Color
13.3079, 15.1077, 3.5812

Achromatopsia
13.1579, 13.8432, 15.0752

Achromatomaly
12.8359, 14.1093, 9.2546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3079, 15.1077, 3.5812 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(118, 110, 32) looks like.

```
.text, #text, p{
    color:rgb(118, 110, 32)
}
```

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(118, 110, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 110, 32) }
```

Border

The CSS property to change the border of an element to XYZ 13.3079, 15.1077, 3.5812 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(118, 110, 32) }
```

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

```
.border{ border-color:rgb(118, 110, 32) }
```

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

Here you see how a box with a 4 pixel rgb(118, 110, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 110, 32); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 110, 32); box-shadow:4px 4px 4px 4px rgb(118, 110, 32) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3079, 15.1077, 3.5812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(118, 110, 32) }
```

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

```
.background{ background-color:rgb(118,
110, 32) }
```

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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