

Converting Colors

XYZ(13.2126, 17.8287, 3.1853)

Have a look what the booklet for
XYZ(13.2126, 17.8287, 3.1853)
contains.

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Color

**XYZ(13.2560, 17.8993,
3.2082)**

Conversions

Conversions Part 1

Format	Color
Hex	687E0F
RGB	104, 126, 15
RGB Percent	41%, 49%, 6%
CMY	0.5922, 0.5059, 0.9411
CMYK	0.17, 0.00, 0.88, 0.51
HSL	72°, 79%, 28%
HSV	72°, 88%, 49%
XYZ	13.2560, 17.8993, 3.2082
YIQ	106.7680, 22.5190, -39.1850

Conversions

Conversions Part 2

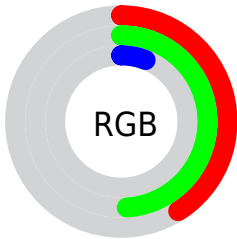
Format	Color
RYB	15, 126, 37
Decimal	6848015
CIELab	49.37, -22.49, 50.94
CIELCh	49, 55.684, 113.819
Yxy	17.8993, 0.3858, 0.5209
Android (android.graphics.Color)	4285038095 (0xFF687E0F)
YUV	106.7680, -45.2416, -2.4275
Hunter-Lab	42.3076, -18.1098, 25.1193

Details

The XYZ color **13.2560, 17.8993, 3.2082** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.7004, 2.2418, 19.9248**, and the grayscale version is **14.0284, 14.7589, 16.0725**.

A 20% lighter version of the original color is **31.3903, 39.9772, 12.1928**, and **4.1221, 6.0646, 0.9533** is the 20% darker color. If you saturate the color by 10%, you get **12.8976, 17.7236, 2.8103**, and if you desaturate by 10%, it is **13.6694, 18.0993, 3.8472**.

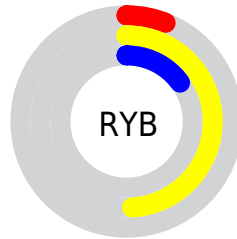
Distribution



Red (41%)

Green (49%)

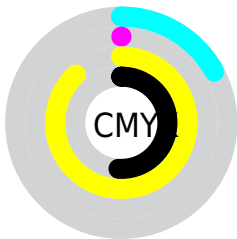
Blue (6%)



Red (6%)

Yellow (49%)

Blue (15%)

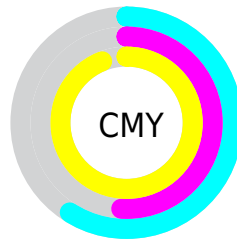


Cyan (17%)

Magenta (0%)

Yellow (88%)

Black (51%)



Cyan (59%)

Magenta (51%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2560, 17.8993, 3.2082 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 13.2560, 17.8993, 3.2082 by changing the saturation by 10% instead.

■ 13.2560, 17.8993,
3.2082

■ 13.2560, 17.8993,
3.2082

206.1565,
240.3028, 138.9697

■ 7.6833, 10.8777,
1.2019

■ 31.3604, 39.8657,
12.1380

■ 3.9431, 5.9847,
0.0000

■ 44.6227, 55.5792,
19.8986

■ 1.6700, 2.8358,
0.0000

■ 61.1790, 74.9589,
30.4143

■ 0.4374, 1.0466,
0.0000

■ 81.3945, 98.3891,
44.1038

■ 0.0000, 0.0000,
0.0000

■ 105.6347,
126.2542, 61.3856

■ 134.2648,

158.9386, 82.6781

167.6503,
196.8267, 108.4000

13.2560, 17.8993,
3.2082

13.2560, 17.8993,
3.2082

12.8976, 17.7236,
2.8103

13.6694, 18.0993,
3.8472

12.8308, 17.6907,
2.7384

14.1539, 18.3281,
4.8177

14.7173, 18.5894,
6.1575

15.3656, 18.8858,
7.8987

16.1044, 19.2194,
10.0703

■ 16.9387, 19.5922,
12.6982

■ 17.8733, 20.0061,
15.8067

■ 18.9123, 20.4629,
19.4180

■ 20.0598, 20.9642,
23.5531

Harmonies

Analogous

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



18.1219, 17.8993, 2.5677



13.2560, 17.8993, 3.2082



10.1014, 17.8993, 6.9272

Triad

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



13.2560, 17.8993, 3.2082



11.7264, 17.8993, 53.3366



29.1388, 17.8993, 22.7675

Complementary

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



13.2560, 17.8993, 3.2082



4.7004, 2.2418, 19.9248

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.



26.5211, 17.8993, 41.9973



13.2560, 17.8993, 3.2082



15.9498, 17.8993, 64.6198

Square

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



13.2560, 17.8993, 3.2082



9.3536, 17.8993, 33.6367



21.4196, 17.8993, 59.6553



28.0079, 17.8993, 9.9967

Rectangle

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



13.2560, 17.8993, 3.2082



9.0485, 17.8993, 12.4974



21.4196, 17.8993, 59.6553



28.6535, 17.8993, 28.6975

Sweetspot

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



13.2564, 17.9001, 3.2086



30.0467, 34.5879, 23.1072



9.3025, 5.6935, 1.0609



6.7357, 7.8235, 4.9356



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



13.2564, 17.9001, 3.2086



22.4691, 31.0786, 4.8145



8.8707, 15.6392, 3.0033



4.5845, 4.9777, 4.6393



13.1591, 18.1461, 2.8090



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.7004, 2.2418, 19.9248



7.2355, 2.9643, 34.9352



8.2371, 4.0651, 20.0903



4.1823, 4.2496, 5.4131



4.2712, 1.7556, 20.3637



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.2560, 17.8993, 3.2082 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 13.2560, 17.8993, 3.2082 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 13.2560, 17.8993, 3.2082

Background



This preview shows how black text looks on a background with the XYZ color 13.2560, 17.8993, 3.2082.



This preview shows how white text looks on a background with the XYZ color 13.2560, 17.8993,

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

13.2560, 17.8993, 3.2082

Protanopia

15.9434, 17.6547, 2.9152

Deuteranopia

18.0836, 17.7394, 3.4482



Tritanopia

17.0666, 17.8063, 22.2761

Trichromacy



Original Color

13.2560, 17.8993, 3.2082

Protanomaly

14.8152, 17.5996, 2.9970

Deuteranomaly

15.9059, 17.4542, 3.2897

Tritanomaly

14.8266, 17.4198, 11.3850

Monochromacy



Original Color

13.2560, 17.8993, 3.2082

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.1972, 15.5932, 8.7928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2560, 17.8993, 3.2082 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(104, 126, 15)` looks like.

```
.text, #text, p{  
    color:rgb(104, 126, 15)  
}
```

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(104, 126, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 126, 15) }
```

Border

The CSS property to change the border of an element to XYZ 13.2560, 17.8993, 3.2082 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(104, 126, 15) }
```


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

```
.border{ border-color:rgb(104, 126, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 126, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 126, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 126, 15);  
box-shadow:4px 4px 4px 4px rgb(104, 126,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2560, 17.8993, 3.2082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 126, 15) }
```

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

```
.background{ background-color: rgb(104,  
126, 15) }
```

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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