

Converting Colors

XYZ(13.0982, 17.8777, 3.5949)

Have a look what the booklet for
XYZ(13.0982, 17.8777, 3.5949)
contains.

XYZ(13.0950, 17.8084, 3.5578)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.0950, 17.8084,
3.5578)**

Conversions

Conversions Part 1

Format	Color
Hex	667E17
RGB	102, 126, 23
RGB Percent	40%, 49%, 9%
CMY	0.6000, 0.5059, 0.9098
CMYK	0.19, 0.00, 0.82, 0.51
HSL	74°, 69%, 29%
HSV	74°, 82%, 49%
XYZ	13.0950, 17.8084, 3.5578
YIQ	107.0820, 18.7590, -37.1210

Conversions

Conversions Part 2

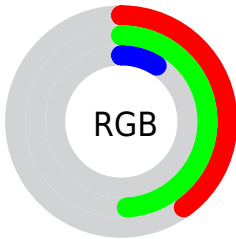
Format	Color
R_{YB}	23, 126, 47
Decimal	6716951
CIE _{Lab}	49.26, -23.06, 48.58
CIE _{LCh}	49, 53.779, 115.396
Yxy	17.8084, 0.3800, 0.5168
Android (android.graphics.Color)	4284907031 (0xFF667E17)
YUV	107.0820, -41.4524, -4.4569
Hunter-Lab	42.2000, -18.4600, 24.5414

Details

The XYZ color **13.0950, 17.8084, 3.5578** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **5.2453, 2.7240, 19.9891**, and the grayscale version is **14.1062, 14.8408, 16.1617**.

A 20% lighter version of the original color is **31.1700, 39.8439, 13.0690**, and **4.0191, 6.0116, 0.9485** is the 20% darker color. If you saturate the color by 10%, you get **12.6708, 17.6016, 3.0284**, and if you desaturate by 10%, it is **13.5919, 18.0469, 4.4046**.

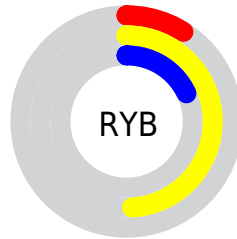
Distribution



Red (40%)

Green (49%)

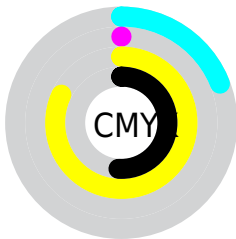
Blue (9%)



Red (9%)

Yellow (49%)

Blue (18%)

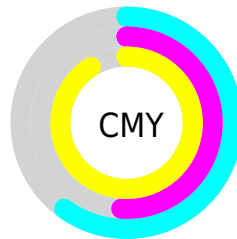


Cyan (19%)

Magenta (0%)

Yellow (82%)

Black (51%)



Cyan (60%)

Magenta (51%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0950, 17.8084, 3.5578 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 13.0950, 17.8084, 3.5578 by changing the saturation by 10% instead.

■ 13.0950, 17.8084,
3.5578

■ 13.0950, 17.8084,
3.5578

205.1509,
239.7889, 143.1756

■ 7.5714, 10.8125,
1.3860

■ 31.0742, 39.7106,
12.9763

■ 3.8715, 5.9409,
0.1308

■ 44.2606, 55.3857,
21.0602

■ 1.6297, 2.8092,
0.0000

■ 60.7319, 74.7226,
31.9519

■ 0.4116, 1.0329,
0.0000


■ 80.8536, 98.1058,
46.0698


■ 0.0000, 0.0000,
0.0000


■ 104.9910,
125.9196, 63.8326


■ 133.5095,


158.5485, 85.6588


 166.7743,
196.3767, 111.9670


 13.0950, 17.8084,
3.5578


 13.0950, 17.8084,
3.5578


 12.6708, 17.6016,
3.0284


 13.5919, 18.0469,
4.4046

 12.3526, 17.4441,
2.7160

 14.1679, 18.3178,
5.6075

 14.8299, 18.6245,
7.2008

 15.5838, 18.9694,
9.2142

 16.4347, 19.3545,
11.6750

■ 17.3876, 19.7818,
14.6079

■ 18.4468, 20.2531,
18.0357

■ 19.6166, 20.7700,
21.9801

■ 20.9009, 21.3342,
26.4611

Harmonies

Analogous

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



17.7176, 17.8084, 2.7834



13.0950, 17.8084, 3.5578



10.1273, 17.8084, 7.4990

Triad

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



13.0950, 17.8084, 3.5578



11.9901, 17.8084, 52.4573



28.5639, 17.8084, 21.7088

Complementary

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



13.0950, 17.8084, 3.5578



5.2453, 2.7240, 19.9891

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.



26.2401, 17.8084, 39.8529



13.0950, 17.8084, 3.5578



16.1590, 17.8084, 62.4021

Square

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



13.0950, 17.8084, 3.5578



9.5840, 17.8084, 33.9249



21.4404, 17.8084, 56.9109



27.2978, 17.8084, 9.7438

Rectangle

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



13.0950, 17.8084, 3.5578



9.1629, 17.8084, 13.1910



21.4404, 17.8084, 56.9109



28.1656, 17.8084, 27.2792

Sweetspot

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



13.0954, 17.8092, 3.5582



29.9382, 34.5203, 23.6277



9.7101, 6.3991, 1.5342



6.7009, 7.8032, 5.0396



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.



13.0954, 17.8092, 3.5582



21.7440, 30.7027, 4.8739



9.0418, 15.7195, 3.3685



4.5705, 4.9705, 4.6386



12.6680, 17.8930, 2.7860



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.2453, 2.7240, 19.9891



7.5603, 3.1843, 34.9605



8.9833, 4.6510, 20.1641



4.1954, 4.2564, 5.4137



4.3906, 1.8171, 20.3693



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.0950, 17.8084, 3.5578 looks on a white background.

Color Contrast Check

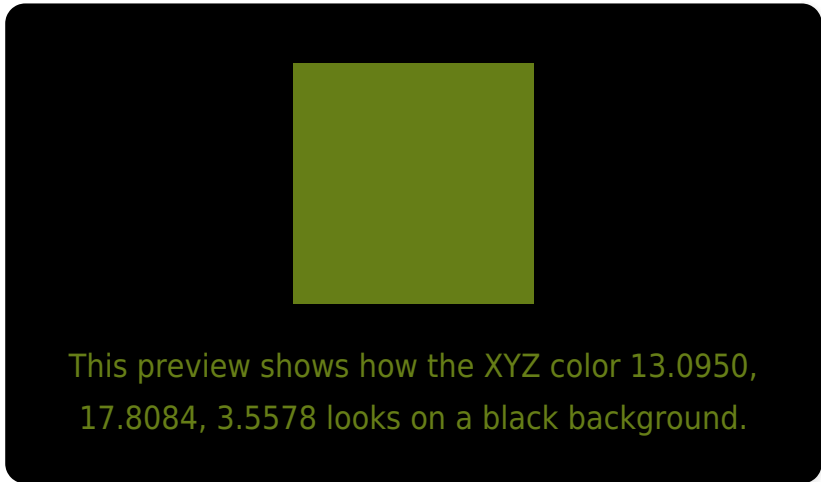
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ 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 13.0950, 17.8084, 3.5578

Background



This preview shows how black text looks on a background with the XYZ color 13.0950, 17.8084, 3.5578.



This preview shows how white text looks on a background with the XYZ color 13.0950, 17.8084,

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

13.0950, 17.8084, 3.5578

Protanopia

16.0124, 17.6823, 3.2785

Deuteranopia

17.9644, 17.6709, 3.7603



Tritanopia

16.8741, 17.6996, 22.6057

Trichromacy



Original Color

13.0950, 17.8084, 3.5578

Protanomaly

14.7464, 17.5558, 3.3704

Deuteranomaly

15.8151, 17.3999, 3.6236

Tritanomaly

14.7040, 17.3424, 12.0236

Monochromacy



Original Color

13.0950, 17.8084, 3.5578

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.1475, 15.5597, 9.1478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0950, 17.8084, 3.5578 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(102, 126, 23)` looks like.

```
.text, #text, p{  
    color:rgb(102, 126, 23)  
}
```

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(102, 126, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 126, 23) }
```

Border

The CSS property to change the border of an element to XYZ 13.0950, 17.8084, 3.5578 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(102, 126, 23) }
```


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

```
.border{ border-color:rgb(102, 126, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 126, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 126, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 126, 23);  
box-shadow:4px 4px 4px 4px rgb(102, 126,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0950, 17.8084, 3.5578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 126, 23) }
```

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

```
.background{ background-color: rgb(102,  
126, 23) }
```

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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