

Converting Colors

XYZ(13.3774, 17.5278, 10.8503)

Have a look what the booklet for
XYZ(13.3774, 17.5278, 10.8503)
contains.

XYZ(13.4091, 17.6189, 10.8777)	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(13.4091, 17.6189,
10.8777)**

Conversions

Conversions Part 1

Format	Color
Hex	5D7D53
RGB	93, 125, 83
RGB Percent	36%, 49%, 33%
CMY	0.6353, 0.5098, 0.6745
CMYK	0.26, 0.00, 0.34, 0.51
HSL	106°, 20%, 41%
HSV	106°, 34%, 49%
XYZ	13.4091, 17.6189, 10.8777
YIQ	110.6440, -5.5900, -19.8460

Conversions

Conversions Part 2

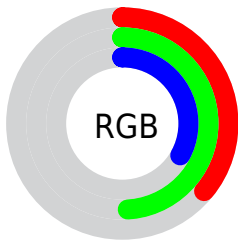
Format	Color
R_{YB}	83, 125, 115
Decimal	6126931
CIE _{Lab}	49.03, -20.01, 19.32
CIE _{LCh}	49, 27.818, 136.011
Yxy	17.6189, 0.3200, 0.4204
Android (android.graphics.Color)	4284317011 (0xFF5D7D53)
YUV	110.6440, -13.6285, -15.4738
Hunter-Lab	41.9749, -16.4332, 14.0175

Details

The XYZ color **13.4091, 17.6189, 10.8777** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.8660, 11.3126, 20.8557**, and the grayscale version is **15.0460, 15.8296, 17.2384**.

A 20% lighter version of the original color is **31.6556, 39.4635, 28.1391**, and **4.0006, 5.8603, 2.6706** is the 20% darker color. If you saturate the color by 10%, you get **12.0647, 16.9772, 8.5187**, and if you desaturate by 10%, it is **14.9615, 18.3589, 13.7015**.

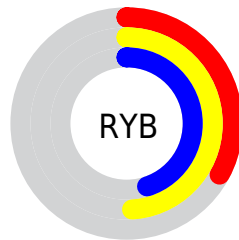
Distribution



Red (36%)

Green (49%)

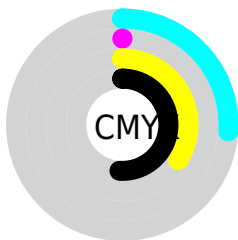
Blue (33%)



Red (33%)

Yellow (49%)

Blue (45%)

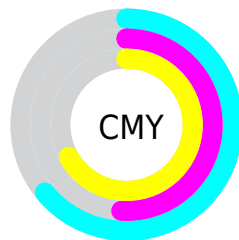


Cyan (26%)

Magenta (0%)

Yellow (34%)

Black (51%)



Cyan (64%)

Magenta (51%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4091, 17.6189, 10.8777 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 13.4091, 17.6189, 10.8777 by changing the saturation by 10% instead.

■ 13.4091, 17.6189,
10.8777

■ 13.4091, 17.6189,
10.8777

207.1082,
238.7141, 207.5338

■ 7.7898, 10.6767,
5.8715

■ 31.6319, 39.3869,
28.0670

■ 4.0114, 5.8499,
2.6996

■ 44.9661, 54.9814,
41.0872

■ 1.7086, 2.7540,
0.9432

■ 61.6027, 74.2289,
57.6157

■ 0.4616, 1.0047,
0.0000

■ 81.9070, 97.5138,
78.0713

■ 0.0000, 0.0000,
0.0000

■ 106.2443,
125.2203, 102.8723

134.9800,

157.7329, 132.4374

168.4796,
195.4361, 167.1850

■ 13.4091, 17.6189,
10.8777

■ 13.4091, 17.6189,
10.8777

■ 12.0647, 16.9772,
8.5187

■ 14.9615, 18.3589,
13.7015

■ 10.9180, 16.4273,
6.5985

■ 16.7292, 19.1987,
17.0119

■ 9.9595, 15.9656,
5.0902

■ 18.7205, 20.1428,
20.8308

■ 9.1786, 15.5872,
3.9637

■ 20.9431, 21.1946,
25.1784

■ 8.5636, 15.2867,
3.1847

■ 23.4042, 22.3575,
30.0737

■ 8.1002, 15.0579,
2.7093

■ 26.1106, 23.6347,
35.5350

■ 7.8623, 14.9403,
2.4694

■ 29.0691, 25.0292,
41.5794

■ 32.2860, 26.5438,
48.2236

■ 35.7675, 28.1815,
55.4835

Harmonies

Analogous

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



15.4083, 17.6189, 8.4719



13.4091, 17.6189, 10.8777



12.3592, 17.6189, 15.9352

Triad

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



13.4091, 17.6189, 10.8777



15.5697, 17.6189, 36.6429



22.0103, 17.6189, 15.5088

Complementary

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



13.4091, 17.6189, 10.8777



13.8660, 11.3126, 20.8557

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.



22.0650, 17.6189, 22.8468



13.4091, 17.6189, 10.8777



18.1594, 17.6189, 36.4424

Square

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



13.4091, 17.6189, 10.8777



13.5167, 17.6189, 31.4004



20.5956, 17.6189, 30.9079



20.4531, 17.6189, 10.6353

Rectangle

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



13.4091, 17.6189, 10.8777



12.2611, 17.6189, 20.7186



20.5956, 17.6189, 30.9079



22.2101, 17.6189, 17.7271

Sweetspot

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



13.4096, 17.6197, 10.8781



31.1087, 34.9251, 32.6560



16.0934, 17.1330, 10.6427



6.9854, 7.9012, 7.2550



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.



13.4096, 17.6197, 10.8781



22.2029, 30.6871, 16.2885



12.8995, 17.3063, 13.1334



4.3645, 4.8643, 4.6290



8.1998, 15.5896, 2.5769



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.8660, 11.3126, 20.8557



23.1404, 17.6362, 36.9289



14.6172, 11.7733, 17.5720



4.4013, 4.3625, 5.4233



8.8091, 4.0949, 20.5761



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.4091, 17.6189, 10.8777 looks on a white background.

Color Contrast Check

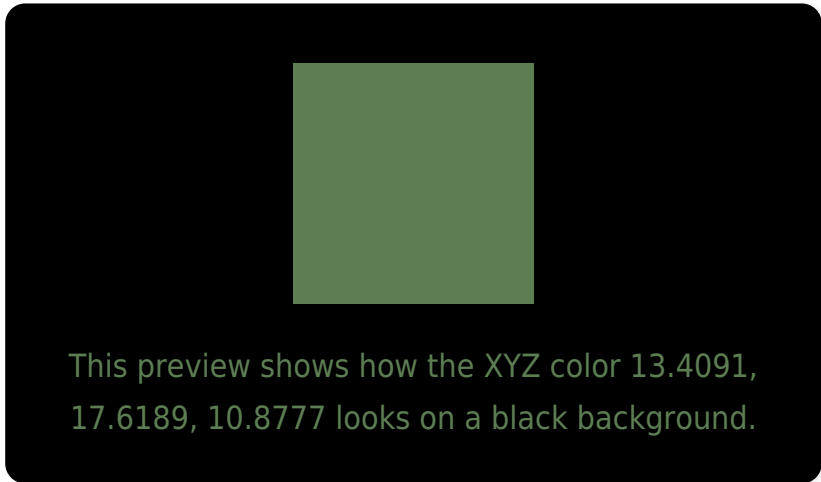
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.4091, 17.6189, 10.8777

Background



This preview shows how black text looks on a background with the XYZ color 13.4091, 17.6189, 10.8777.



This preview shows how white text looks on a background with the XYZ color 13.4091, 17.6189,

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

13.4091, 17.6189, 10.8777

Protanopia

16.2609, 17.4909, 9.9162

Deuteranopia

17.6807, 17.3591, 11.2229



Tritanopia

15.9261, 17.5453, 23.3161

Trichromacy



Original Color

13.4091, 17.6189, 10.8777

Protanomaly

14.9842, 17.3502, 10.1486

Deuteranomaly

15.7702, 17.2116, 11.0853

Tritanomaly

14.7990, 17.4413, 17.9157

Monochromacy



Original Color

13.4091, 17.6189, 10.8777

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.3033, 16.3734, 14.7184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4091, 17.6189, 10.8777 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(93, 125, 83)` looks like.

```
.text, #text, p{  
    color:rgb(93, 125, 83)  
}
```

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(93, 125, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 125, 83) }
```

Border

The CSS property to change the border of an element to XYZ 13.4091, 17.6189, 10.8777 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(93, 125, 83) }
```


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

```
.border{ border-color:rgb(93, 125, 83) }
```

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

Here you see how a box with a 4 pixel rgb(93, 125, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 125, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 125, 83);  
box-shadow:4px 4px 4px 4px rgb(93, 125,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4091, 17.6189, 10.8777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 125, 83) }
```

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

```
.background{ background-color: rgb(93, 125,  
83) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor