

Converting Colors

XYZ(12.7855, 12.9089, 12.6551)

Have a look what the booklet for
XYZ(12.7855, 12.9089, 12.6551)
contains.

XYZ(12.8341, 13.0011, 12.6595)	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(12.8341, 13.0011,
12.6595)**

Conversions

Conversions Part 1

Format	Color
Hex	6D635F
RGB	109, 99, 95
RGB Percent	43%, 39%, 37%
CMY	0.5725, 0.6118, 0.6274
CMYK	0.00, 0.09, 0.13, 0.57
HSL	17°, 7%, 40%
HSV	17°, 13%, 43%
XYZ	12.8341, 13.0011, 12.6595
YIQ	101.5340, 7.2440, 0.8760

Conversions

Conversions Part 2

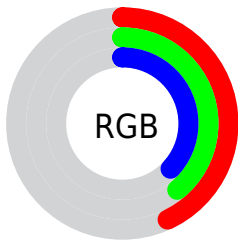
Format	Color
R _Y B	109, 101, 95
Decimal	7168863
CIE Lab	42.76, 3.22, 3.70
CIE LCh	43, 4.907, 49.019
Yxy	13.0011, 0.3334, 0.3377
Android (android.graphics.Color)	4285358943 (0xFF6D635F)
YUV	101.5340, -3.2213, 6.5477
Hunter-Lab	36.0570, 0.4353, 4.4234

Details

The XYZ color **12.8341, 13.0011, 12.6595** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.5312, 13.6400, 16.4406**, and the grayscale version is **12.5150, 13.1667, 14.3386**.

A 20% lighter version of the original color is **30.7151, 31.4341, 31.2366**, and **3.7519, 3.7601, 3.4337** is the 20% darker color. If you saturate the color by 10%, you get **11.6707, 11.4125, 9.9959**, and if you desaturate by 10%, it is **14.1387, 14.7608, 15.7126**.

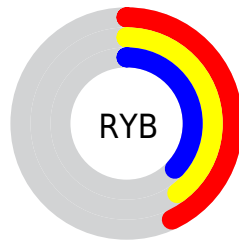
Distribution



Red (43%)

Green (39%)

Blue (37%)



Red (43%)

Yellow (40%)

Blue (37%)

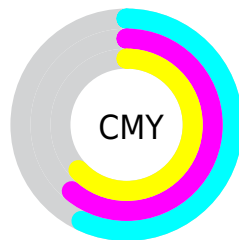


Cyan (0%)

Magenta (9%)

Yellow (13%)

Black (57%)



Cyan (57%)

Magenta (61%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8341, 13.0011, 12.6595 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 12.8341, 13.0011, 12.6595 by changing the saturation by 10% instead.

■ 12.8341, 13.0011,
12.6595

■ 12.8341, 13.0011,
12.6595

203.5108,
210.9247, 219.8544

■ 7.3906, 7.4293,
7.0665

■ 30.6093, 31.3058,
31.3729

■ 3.7561, 3.7320,
3.4247

■ 43.6717, 44.8074,
45.3303

■ 1.5651, 1.5248,
1.3154

■ 60.0044, 61.7211,
62.9131

■ 0.3695, 0.3061,
0.0743

■ 79.9729, 82.4313,
84.5396

■ 0.0000, 0.0000,
0.0000

103.9424,
107.3224, 110.6284

132.2783,

136.7787, 141.5982

165.3460,
171.1847, 177.8673

■ 12.8341, 13.0011,
12.6595

■ 12.8341, 13.0011,
12.6595

■ 11.6707, 11.4125,
9.9959

■ 14.1387, 14.7608,
15.7126

■ 10.6426, 9.9881,
7.7052

■ 15.5879, 16.6949,
19.1692

■ 9.7449, 8.7231,
5.7709

■ 17.1867, 18.8085,
23.0436

■ 8.9722, 7.6118,
4.1748

■ 18.9391, 21.1062,
27.3493

■ 8.3184, 6.6481,
2.8972

■ 20.8493, 23.5925,
32.0989

■ 7.7773, 5.8255,
1.9162

■ 22.9211, 26.2715,
37.3049

■ 7.3417, 5.1370,
1.2074

■ 25.1583, 29.1472,
42.9788

■ 7.0026, 4.5746,
0.7379

■ 27.5645, 32.2238,
49.1322

■ 6.8009, 4.2395,
0.4599

■ 30.1432, 35.5050,
55.7759

Harmonies

Analogous

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



13.0486, 13.0011, 13.4963



12.8341, 13.0011, 12.6595



12.4945, 13.0011, 12.2315

Triad

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



12.8341, 13.0011, 12.6595



11.6655, 13.0011, 13.7678



12.5926, 13.0011, 16.1907

Complementary

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



12.8341, 13.0011, 12.6595



12.5312, 13.6400, 16.4406

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.



12.2209, 13.0011, 16.2724



12.8341, 13.0011, 12.6595



11.6906, 13.0011, 14.8368

Square

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



12.8341, 13.0011, 12.6595



11.8229, 13.0011, 12.8496



11.8922, 13.0011, 15.7660



12.9072, 13.0011, 15.5480

Rectangle

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



12.8341, 13.0011, 12.6595



12.2449, 13.0011, 12.2204



11.8922, 13.0011, 15.7660



12.4701, 13.0011, 16.2858

Sweetspot

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



12.8345, 13.0017, 12.6598



25.0070, 26.0149, 27.4034



12.9506, 12.4564, 15.0956



5.7851, 6.0079, 6.2964



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



12.8345, 13.0017, 12.6598



22.4221, 22.5206, 21.3767



13.5231, 14.3789, 12.8893



3.1637, 3.2447, 3.2770



7.9352, 4.9201, 0.5314



39.7750, 23.7537, 2.4885

Inverse Universe

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



12.5312, 13.6400, 16.4406



21.7811, 23.8693, 29.3665



11.8506, 12.2788, 16.2137



3.1123, 3.3530, 3.9180



6.3811, 7.5965, 18.0522



31.7469, 37.1723, 91.7279

Previews

White Background



This preview shows how the XYZ color 12.8341, 13.0011, 12.6595 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 12.8341, 13.0011, 12.6595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

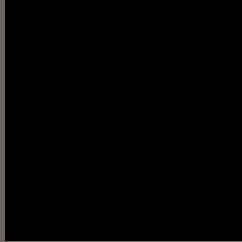
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.8341, 13.0011, 12.6595

Background



This preview shows how black text looks on a background with the XYZ color 12.8341, 13.0011, 12.6595.



This preview shows how white text looks on a background with the XYZ color 12.8341, 13.0011,

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

12.8341, 13.0011, 12.6595

Protanopia

12.4739, 13.0949, 12.9365

Deuteranopia

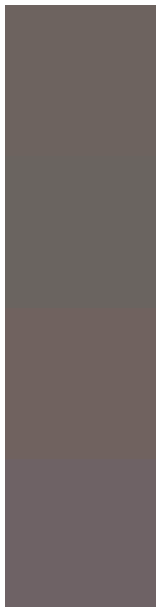
13.2433, 13.0723, 12.6517



Tritanopia

13.2549, 12.8843, 15.1529

Trichromacy



Original Color

12.8341, 13.0011, 12.6595

Protanomaly

12.6124, 13.0230, 12.9153

Deuteranomaly

13.1153, 13.0063, 12.6457

Tritanomaly

13.1471, 12.9899, 14.1263

Monochromacy



Original Color

12.8341, 13.0011, 12.6595

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.7315, 13.2115, 13.6834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8341, 13.0011, 12.6595 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(109, 99, 95) looks like.

```
.text, #text, p{  
    color:rgb(109, 99, 95)  
}
```

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(109, 99, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 99, 95) }
```

Border

The CSS property to change the border of an element to XYZ 12.8341, 13.0011, 12.6595 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(109, 99, 95) }
```


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

```
.border{ border-color:rgb(109, 99, 95) }
```

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

Here you see how a box with a 4 pixel rgb(109, 99, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 99, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 99, 95);  
box-shadow:4px 4px 4px 4px rgb(109, 99,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8341, 13.0011, 12.6595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 99, 95) }
```

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

```
.background{ background-color: rgb(109, 99,  
95) }
```

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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