

Converting Colors

XYZ(12.8090, 12.8590, 12.6336)

Have a look what the booklet for
XYZ(12.8090, 12.8590, 12.6336)
contains.

XYZ(12.8636, 12.8766, 12.6339)	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(12.8636, 12.8766,
12.6339)**

Conversions

Conversions Part 1

Format	Color
Hex	6E625F
RGB	110, 98, 95
RGB Percent	43%, 38%, 37%
CMY	0.5686, 0.6157, 0.6274
CMYK	0.00, 0.11, 0.14, 0.57
HSL	12°, 7%, 40%
HSV	12°, 14%, 43%
XYZ	12.8636, 12.8766, 12.6339
YIQ	101.2460, 8.1150, 1.6110

Conversions

Conversions Part 2

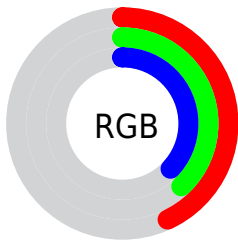
Format	Color
R_{YB}	110, 99, 95
Decimal	7234143
CIE _{Lab}	42.58, 4.23, 3.45
CIE _{LCh}	43, 5.452, 39.195
Yxy	12.8766, 0.3352, 0.3356
Android (android.graphics.Color)	4285424223 (0xFF6E625F)
YUV	101.2460, -3.0793, 7.6773
Hunter-Lab	35.8840, 1.1913, 4.2442

Details

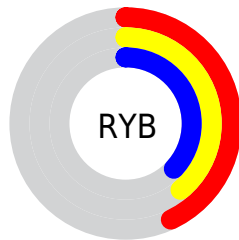
The XYZ color **12.8636, 12.8766, 12.6339** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.7913, 14.0736, 16.7941**, and the grayscale version is **12.4398, 13.0876, 14.2524**.

A 20% lighter version of the original color is **30.7586, 31.2206, 31.1931**, and **3.7690, 3.7019, 3.4216** is the 20% darker color. If you saturate the color by 10%, you get **11.6201, 11.1340, 9.9243**, and if you desaturate by 10%, it is **14.2689, 14.8296, 15.7462**.

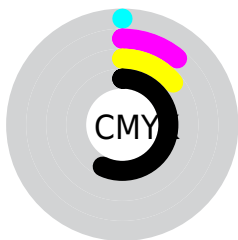
Distribution



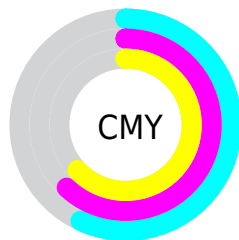
- Red (43%)
- Green (38%)
- Blue (37%)



- Red (43%)
- Yellow (39%)
- Blue (37%)



- Cyan (0%)
- Magenta (11%)
- Yellow (14%)
- Black (57%)



- Cyan (57%)
- Magenta (62%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8636, 12.8766, 12.6339 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 12.8636, 12.8766, 12.6339 by changing the saturation by 10% instead.

■ 12.8636, 12.8766,
12.6339

■ 12.8636, 12.8766,
12.6339

203.6970,
210.1253, 219.6827

■ 7.4110, 7.3436,
7.0492

■ 30.6619, 31.0819,
31.3260

■ 3.7691, 3.6779,
3.4140

■ 43.7384, 44.5230,
45.2704

■ 1.5723, 1.4951,
1.3097

■ 60.0869, 61.3690,
62.8385

■ 0.3743, 0.2853,
0.0697

■ 80.0727, 82.0042,
84.4488

■ 0.0000, 0.0000,
0.0000

104.0613,
106.8131, 110.5198

132.4180,

136.1799, 141.4701

165.5081,
170.4892, 177.7182

■ 12.8636, 12.8766,
12.6339

■ 12.8636, 12.8766,
12.6339

■ 11.6201, 11.1340,
9.9243

■ 14.2689, 14.8296,
15.7462

■ 10.5316, 9.5931,
7.6000

■ 15.8406, 16.9980,
19.2759

■ 9.5921, 8.2471,
5.6438

■ 17.5843, 19.3886,
23.2379

■ 8.7950, 7.0881,
4.0366

■ 19.5050, 22.0077,
27.6462

■ 8.1332, 6.1077,
2.7578

■ 21.6075, 24.8611,
32.5143

■ 7.5988, 5.2969,
1.7843

■ 23.8966, 27.9544,
37.8548

■ 7.1831, 4.6458,
1.0904

■ 26.3766, 31.2932,
43.6800

■ 6.8750, 4.1429,
0.6383

■ 29.0520, 34.8826,
50.0019

■ 6.7177, 3.8895,
0.3967

■ 31.9270, 38.7278,
56.8318

Harmonies

Analogous

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



13.0383, 12.8766, 13.6607



12.8636, 12.8766, 12.6339



12.5226, 12.8766, 12.0032

Triad

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



12.8636, 12.8766, 12.6339



11.5126, 12.8766, 13.2293



12.3659, 12.8766, 16.3834

Complementary

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



12.8636, 12.8766, 12.6339



12.7913, 14.0736, 16.7941

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.



11.9594, 12.8766, 16.2519



12.8636, 12.8766, 12.6339



11.4727, 12.8766, 14.3864

Square

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



12.8636, 12.8766, 12.6339



11.7446, 12.8766, 12.3333



11.6346, 12.8766, 15.5049



12.7467, 12.8766, 15.8548

Rectangle

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



12.8636, 12.8766, 12.6339



12.2500, 12.8766, 11.8704



11.6346, 12.8766, 15.5049



12.2277, 12.8766, 16.4155

Sweetspot

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



12.8640, 12.8772, 12.6342



24.9365, 25.8739, 27.3799



13.1765, 12.5611, 15.6400



5.7664, 5.9705, 6.2902



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.



12.8640, 12.8772, 12.6342



21.9540, 21.7241, 20.7901



13.5986, 14.3466, 12.8791



3.4336, 3.4998, 3.5679



8.0514, 4.6352, 0.4703



39.6012, 22.0776, 2.1742

Inverse Universe

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



12.7913, 14.0736, 16.7941



21.8029, 24.2088, 29.4309



12.0433, 12.5775, 16.5448



3.4210, 3.7073, 4.2895



7.5511, 9.6925, 19.1945



36.9995, 47.0508, 95.4108

Previews

White Background



This preview shows how the XYZ color 12.8636, 12.8766, 12.6339 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 12.8636, 12.8766, 12.6339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

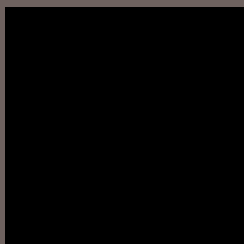
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.8636, 12.8766, 12.6339

Background



This preview shows how black text looks on a background with the XYZ color 12.8636, 12.8766, 12.6339.



This preview shows how white text looks on a background with the XYZ color 12.8636, 12.8766,

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

12.8636, 12.8766, 12.6339

Protanopia

12.2620, 12.8424, 12.8989

Deuteranopia

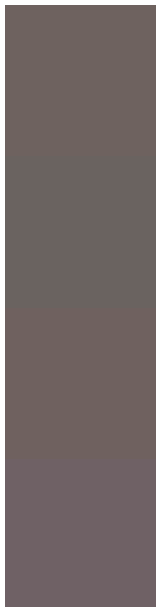
13.0223, 12.8204, 12.6147



Tritanopia

13.3289, 12.9284, 14.8896

Trichromacy



Original Color

12.8636, 12.8766, 12.6339

Protanomaly

12.5170, 12.8324, 12.8835

Deuteranomaly

12.8958, 12.7551, 12.6088

Tritanomaly

13.1792, 12.8685, 14.1012

Monochromacy



Original Color

12.8636, 12.8766, 12.6339

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.5182, 12.9583, 13.6458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8636, 12.8766, 12.6339 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(110, 98, 95)` looks like.

```
.text, #text, p{  
    color:rgb(110, 98, 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(110, 98, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 98, 95) }
```

Border

The CSS property to change the border of an element to XYZ 12.8636, 12.8766, 12.6339 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(110, 98, 95) }
```


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

```
.border{ border-color:rgb(110, 98, 95) }
```

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

Here you see how a box with a 4 pixel rgb(110, 98, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 98, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 98, 95);  
box-shadow:4px 4px 4px 4px rgb(110, 98,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8636, 12.8766, 12.6339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 98, 95) }
```

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

```
.background{ background-color: rgb(110, 98,  
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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