

Converting Colors

XYZ(12.3506, 12.5708, 11.6731)

Have a look what the booklet for
XYZ(12.3506, 12.5708, 11.6731)
contains.

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Color

**XYZ(12.4404, 12.6788,
11.6891)**

Conversions

Conversions Part 1

Format	Color
Hex	6C625B
RGB	108, 98, 91
RGB Percent	42%, 38%, 36%
CMY	0.5765, 0.6157, 0.6431
CMYK	0.00, 0.09, 0.16, 0.58
HSL	25°, 9%, 39%
HSV	25°, 16%, 42%
XYZ	12.4404, 12.6788, 11.6891
YIQ	100.1920, 8.2070, -0.0570

Conversions

Conversions Part 2

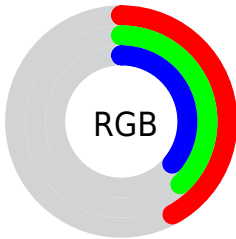
Format	Color
R_{YB}	108, 103, 91
Decimal	7103067
CIE _{Lab}	42.28, 2.68, 5.42
CIE _{LCh}	42, 6.046, 63.707
Yxy	12.6788, 0.3380, 0.3445
Android (android.graphics.Color)	4285293147 (0xFF6C625B)
YUV	100.1920, -4.5317, 6.8476
Hunter-Lab	35.6073, 0.0512, 5.4615

Details

The XYZ color **12.4404, 12.6788, 11.6891** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.6749, 12.6142, 16.0071**, and the grayscale version is **12.1721, 12.8060, 13.9458**.

A 20% lighter version of the original color is **30.0524, 30.8916, 29.5780**, and **3.5651, 3.6061, 2.9908** is the 20% darker color. If you saturate the color by 10%, you get **11.4368, 11.3642, 9.2191**, and if you desaturate by 10%, it is **13.5590, 14.1157, 14.5286**.

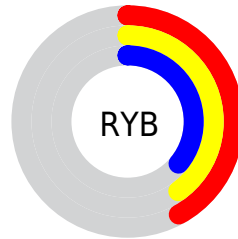
Distribution



Red (42%)

Green (38%)

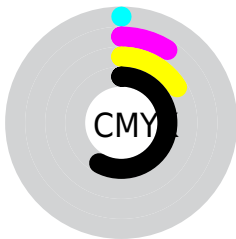
Blue (36%)



Red (42%)

Yellow (40%)

Blue (36%)

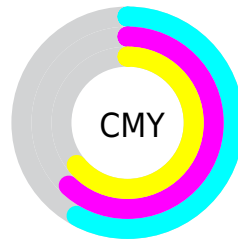


Cyan (0%)

Magenta (9%)

Yellow (16%)

Black (58%)



Cyan (58%)

Magenta (62%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4404, 12.6788, 11.6891 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 12.4404, 12.6788, 11.6891 by changing the saturation by 10% instead.

■ 12.4404, 12.6788,
11.6891

■ 12.4404, 12.6788,
11.6891

201.0104,
208.8488, 213.2404

■ 7.1187, 7.2077,
6.4124

■ 29.9047, 30.7255,
29.5835

■ 3.5834, 3.5924,
3.0246

■ 42.7779, 44.0700,
43.0382

■ 1.4693, 1.4483,
1.1072

■ 58.8990, 60.8077,
60.0560

■ 0.3048, 0.2519,
0.0000

■ 78.6334, 81.3230,
81.0555

■ 0.0000, 0.0000,
0.0000

102.3464,
106.0004, 106.4551

130.4033,

135.2242, 136.6734

163.1695,
169.3789, 172.1290

■ 12.4404, 12.6788,
11.6891

■ 12.4404, 12.6788,
11.6891

■ 11.4368, 11.3642,
9.2191

■ 13.5590, 14.1157,
14.5286

■ 10.5432, 10.1669,
7.1024

■ 14.7952, 15.6765,
17.7513

■ 9.7557, 9.0840,
5.3228

■ 16.1529, 17.3646,
21.3712

■ 9.0698, 8.1119,
3.8625

■ 17.6356, 19.1831,
25.4011

■ 8.4808, 7.2465,
2.7020

■ 19.2466, 21.1349,
29.8536

■ 7.9833, 6.4839,
1.8198

■ 20.9888, 23.2225,
34.7406

■ 7.5713, 5.8193,
1.1912

■ 22.8654, 25.4488,
40.0734

■ 7.2336, 5.2462,
0.7634

■ 24.8793, 27.8164,
45.8630

■ 7.1031, 5.0255,
0.5957

■ 27.0333, 30.3276,
52.1201

Harmonies

Analogous

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



12.7893, 12.6788, 12.4677



12.4404, 12.6788, 11.6891



11.9946, 12.6788, 11.4645

Triad

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



12.4404, 12.6788, 11.6891



11.2031, 12.6788, 13.9668



12.5402, 12.6788, 15.9838

Complementary

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



12.4404, 12.6788, 11.6891



11.6749, 12.6142, 16.0071

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.



12.1072, 12.6788, 16.4443



12.4404, 12.6788, 11.6891



11.3413, 12.6788, 15.2348

Square

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



12.4404, 12.6788, 11.6891



11.2874, 12.6788, 12.7303



11.6695, 12.6788, 16.1621



12.8479, 12.6788, 14.9387

Rectangle

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



12.4404, 12.6788, 11.6891



11.7043, 12.6788, 11.6466



11.6695, 12.6788, 16.1621



12.4041, 12.6788, 16.2149

Sweetspot

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



12.4407, 12.6794, 11.6894



23.9293, 24.9409, 25.8293



12.2845, 11.6141, 13.9579



5.7653, 6.0029, 6.1833



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.



12.4407, 12.6794, 11.6894



21.1523, 21.3635, 18.8099



13.2580, 14.3138, 11.9618



3.1926, 3.3025, 3.2866



8.4462, 5.9420, 0.7018



42.2227, 28.6490, 3.3044

Inverse Universe

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



11.6749, 12.6142, 16.0071



19.5265, 21.2248, 27.9753



10.9094, 11.0832, 15.7520



3.0824, 3.2931, 3.9081



5.3561, 5.5465, 17.7105



26.4211, 26.5208, 89.9527

Previews

White Background



This preview shows how the XYZ color 12.4404, 12.6788, 11.6891 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 12.4404, 12.6788, 11.6891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

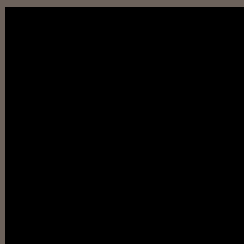
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.4404, 12.6788, 11.6891

Background



This preview shows how black text looks on a background with the XYZ color 12.4404, 12.6788, 11.6891.



This preview shows how white text looks on a background with the XYZ color 12.4404, 12.6788,

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

12.4404, 12.6788, 11.6891

Protanopia

11.9871, 12.5800, 11.9216

Deuteranopia

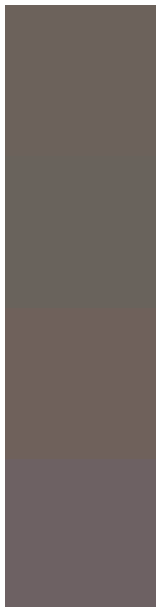
12.8813, 12.6318, 11.6568



Tritanopia

13.1120, 12.6802, 14.8532

Trichromacy



Original Color

12.4404, 12.6788, 11.6891

Protanomaly

12.2193, 12.6996, 11.9325

Deuteranomaly

12.7186, 12.6842, 11.6755

Tritanomaly

12.8335, 12.7015, 13.5796

Monochromacy



Original Color

12.4404, 12.6788, 11.6891

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.2130, 12.6703, 13.1112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4404, 12.6788, 11.6891 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(108, 98, 91)` looks like.

```
.text, #text, p{  
    color:rgb(108, 98, 91)  
}
```

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(108, 98, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 98, 91) }
```

Border

The CSS property to change the border of an element to XYZ 12.4404, 12.6788, 11.6891 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(108, 98, 91) }
```


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

```
.border{ border-color:rgb(108, 98, 91) }
```

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

Here you see how a box with a 4 pixel rgb(108, 98, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 98, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 98, 91);  
box-shadow:4px 4px 4px 4px rgb(108, 98,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4404, 12.6788, 11.6891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 98, 91) }
```

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

```
.background{ background-color: rgb(108, 98,  
91) }
```

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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