

Converting Colors

XYZ(13.2915, 12.4161, 20.2701)

Have a look what the booklet for
XYZ(13.2915, 12.4161, 20.2701)
contains.

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Color

**XYZ(13.2245, 12.3536,
20.0998)**

Conversions

Conversions Part 1

Format	Color
Hex	685E7A
RGB	104, 94, 122
RGB Percent	41%, 37%, 48%
CMY	0.5922, 0.6314, 0.5216
CMYK	0.15, 0.23, 0.00, 0.52
HSL	261°, 13%, 42%
HSV	261°, 23%, 48%
XYZ	13.2245, 12.3536, 20.0998
YIQ	100.1820, -3.0280, 10.8280

Conversions

Conversions Part 2

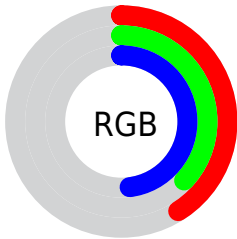
Format	Color
R_YB	104, 94, 122
Decimal	6839930
CIE Lab	41.77, 10.07, -14.27
CIE LCh	42, 17.465, 305.208
Yxy	12.3536, 0.2895, 0.2705
Android (android.graphics.Color)	4285030010 (0xFF685E7A)
YUV	100.1820, 10.7563, 3.3484
Hunter-Lab	35.1477, 5.6531, -9.3026

Details

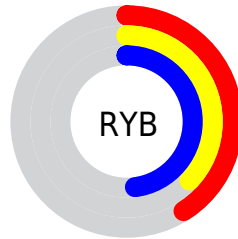
The XYZ color **13.2245, 12.3536, 20.0998** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **15.6623, 18.1722, 13.2723**, and the grayscale version is **12.1338, 12.7657, 13.9019**.

A 20% lighter version of the original color is **31.1308, 29.9711, 44.1886**, and **3.9469, 3.4648, 6.7641** is the 20% darker color. If you saturate the color by 10%, you get **11.3559, 9.9054, 19.7259**, and if you desaturate by 10%, it is **15.3501, 15.1895, 20.5354**.

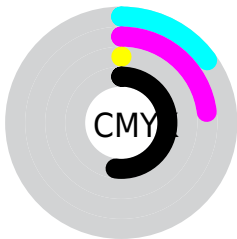
Distribution



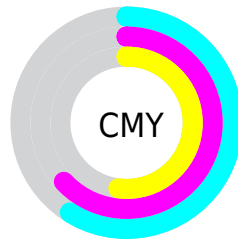
- Red (41%)
- Green (37%)
- Blue (48%)



- Red (41%)
- Yellow (37%)
- Blue (48%)



- Cyan (15%)
- Magenta (23%)
- Yellow (0%)
- Black (52%)



- Cyan (59%)
- Magenta (63%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2245, 12.3536, 20.0998 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 13.2245, 12.3536, 20.0998 by changing the saturation by 10% instead.

■ 13.2245, 12.3536,
20.0998

■ 13.2245, 12.3536,
20.0998

205.9601,
206.7324, 265.0770

■ 7.6614, 6.9850,
12.2828

■ 31.3044, 30.1375,
44.4456

■ 3.9290, 3.4527,
6.8117

■ 44.5519, 43.3216,
61.8115

■ 1.6621, 1.3724,
3.2680

■ 61.0916, 59.8796,
83.1975

■ 0.4323, 0.1962,
1.2330

■ 81.2888, 80.1959,
109.0220

■ 0.0000, 0.0000,
0.0059

105.5089,
104.6549, 139.7037

■ 0.0000, 0.0000,
0.0000

134.1173,

133.6411, 175.6611

167.4792,
167.5388, 217.3126

■ 13.2245, 12.3536,
20.0998

■ 13.2245, 12.3536,
20.0998

■ 11.3559, 9.9054,
19.7259

■ 15.3501, 15.1895,
20.5354

■ 9.7327, 7.8260,
19.4101

■ 17.7412, 18.4277,
21.0344

■ 8.3443, 6.0975,
19.1497

■ 20.4075, 22.0840,
21.5996

■ 7.1787, 4.6994,
18.9412

■ 23.3576, 26.1727,
22.2333

■ 6.2227, 3.6095,
18.7813

■ 26.5998, 30.7076,
22.9377

■ 5.4616, 2.8024,
18.6656

■ 30.1422, 35.7018,
23.7150

■ 4.8778, 2.2474,
18.5892

■ 33.9925, 41.1679,
24.5671

■ 4.5333, 1.9312,
18.5463

■ 38.1579, 47.1179,
25.4961

■ 42.6457, 53.5635,
26.5036

Harmonies

Analogous

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



11.9674, 12.3536, 21.7992



13.2245, 12.3536, 20.0998



14.1304, 12.3536, 16.6413

Triad

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



13.2245, 12.3536, 20.0998



12.8084, 12.3536, 7.9958



9.4492, 12.3536, 14.1036

Complementary

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



13.2245, 12.3536, 20.0998



15.6623, 18.1722, 13.2723

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.



9.6386, 12.3536, 10.6969



13.2245, 12.3536, 20.0998



11.5189, 12.3536, 7.5635

Square

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



13.2245, 12.3536, 20.0998



13.8782, 12.3536, 9.7701



10.3741, 12.3536, 8.4586



9.8366, 12.3536, 17.9566

Rectangle

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



13.2245, 12.3536, 20.0998



14.3797, 12.3536, 14.0507



10.3741, 12.3536, 8.4586



9.4479, 12.3536, 12.8686

Sweetspot

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



13.2249, 12.3541, 20.1001



29.3788, 29.9277, 36.6211



13.9456, 15.4177, 20.6534



6.6781, 6.7896, 8.3652



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.2249, 12.3541, 20.1001



21.3296, 19.1864, 34.9720



14.9600, 13.2486, 20.1813



3.9202, 3.9568, 5.0003



4.7642, 2.0288, 19.5258



21.8741, 9.2385, 93.1001

Inverse Universe

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



14.9537, 13.3133, 17.1112



25.0229, 21.2377, 28.4860



14.0389, 17.3353, 13.1963



4.0966, 4.0544, 4.7063



9.9102, 4.9402, 8.0838



46.8555, 23.3985, 36.3645

Previews

White Background



This preview shows how the XYZ color 13.2245, 12.3536, 20.0998 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 13.2245, 12.3536, 20.0998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

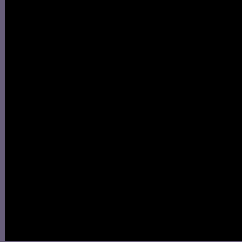
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.2245, 12.3536, 20.0998

Background



This preview shows how black text looks on a background with the XYZ color 13.2245, 12.3536, 20.0998.



This preview shows how white text looks on a background with the XYZ color 13.2245, 12.3536,

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

13.2245, 12.3536, 20.0998

Protanopia

12.4830, 12.4913, 21.1552

Deuteranopia

12.6556, 12.4713, 19.8293



Tritanopia

12.1913, 12.3360, 15.1031

Trichromacy



Original Color

13.2245, 12.3536, 20.0998

Protanomaly

12.7367, 12.4914, 20.8086

Deuteranomaly

12.8896, 12.4555, 19.8140

Tritanomaly

12.5316, 12.3382, 16.7600

Monochromacy



Original Color

13.2245, 12.3536, 20.0998

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.4413, 12.5848, 15.9607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2245, 12.3536, 20.0998 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(104, 94, 122)` looks like.

```
.text, #text, p{  
    color:rgb(104, 94, 122)  
}
```

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(104, 94, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 94, 122) }
```

Border

The CSS property to change the border of an element to XYZ 13.2245, 12.3536, 20.0998 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(104, 94, 122) }
```


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

```
.border{ border-color:rgb(104, 94, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 94, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 94, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 94, 122);  
box-shadow:4px 4px 4px 4px rgb(104, 94,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2245, 12.3536, 20.0998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 94, 122) }
```

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

```
.background{ background-color: rgb(104, 94,  
122) }
```

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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