

Converting Colors

XYZ(12.2363, 16.0210, 12.9159)

Have a look what the booklet for
XYZ(12.2363, 16.0210, 12.9159)
contains.

XYZ(12.2595, 16.0623, 12.8101)	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(12.2595, 16.0623,
12.8101)**

Conversions

Conversions Part 1

Format	Color
Hex	53785D
RGB	83, 120, 93
RGB Percent	33%, 47%, 36%
CMY	0.6745, 0.5294, 0.6353
CMYK	0.31, 0.00, 0.23, 0.53
HSL	136°, 18%, 40%
HSV	136°, 31%, 47%
XYZ	12.2595, 16.0623, 12.8101
YIQ	105.8590, -13.3850, -16.2410

Conversions

Conversions Part 2

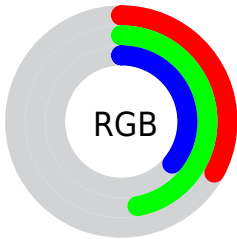
Format	Color
R_{YB}	83, 112, 120
Decimal	5470301
CIE _{Lab}	47.06, -19.17, 10.72
CIE _{LCh}	47, 21.959, 150.787
Yxy	16.0623, 0.2981, 0.3905
Android (android.graphics.Color)	4283660381 (0xFF53785D)
YUV	105.8590, -6.3395, -20.0473
Hunter-Lab	40.0778, -15.5343, 9.1035

Details

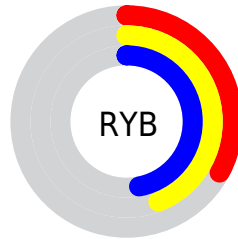
The XYZ color **12.2595, 16.0623, 12.8101** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.6540, 11.3056, 16.2150**, and the grayscale version is **13.6807, 14.3932, 15.6742**.

A 20% lighter version of the original color is **29.5420, 36.5566, 31.4857**, and **3.4939, 5.0868, 3.4870** is the 20% darker color. If you saturate the color by 10%, you get **10.9251, 15.4171, 10.8377**, and if you desaturate by 10%, it is **13.8224, 16.8211, 15.0258**.

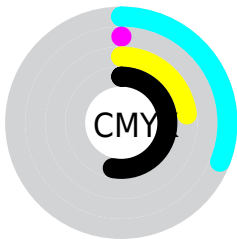
Distribution



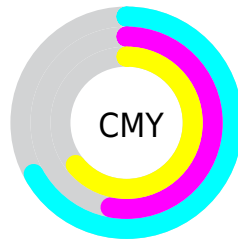
- Red (33%)
- Green (47%)
- Blue (36%)



- Red (33%)
- Yellow (44%)
- Blue (47%)



- Cyan (31%)
- Magenta (0%)
- Yellow (23%)
- Black (53%)





- Cyan (67%)
- Magenta (53%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.2595, 16.0623, 12.8101 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 12.2595, 16.0623, 12.8101 by changing the saturation by 10% instead.


 12.2595, 16.0623,
12.8101


 12.2595, 16.0623,
12.8101


199.8508,
229.7091, 220.8619


 6.9941, 9.5682,
7.1687


 29.5796, 36.7063,
31.6484


 3.5047, 5.1136,
3.4878

 42.3651, 51.6251,
45.6823


 1.4259, 2.3141,
1.3488

 58.3880, 70.1209,
63.3509

 0.2746, 0.7812,
0.1013

 78.0136, 92.5781,
85.0727

 0.0000, 0.0000,
0.0000

 101.6073,
119.3811, 111.2661

129.5345,

150.9144, 142.3497

162.1606,
187.5622, 178.7422

■ 12.2595, 16.0623,
12.8101

■ 12.2595, 16.0623,
12.8101

■ 10.9251, 15.4171,
10.8377

■ 13.8224, 16.8211,
15.0258

■ 9.8072, 14.8781,
9.0993

■ 15.6229, 17.6965,
17.4916

■ 8.8941, 14.4400,
7.5863

■ 17.6708, 18.6941,
20.2154

■ 8.1730, 14.0962,
6.2895

■ 19.9752, 19.8183,
23.2045

■ 7.6291, 13.8394,
5.1989

■ 22.5447, 21.0734,
26.4657

■ 7.2457, 13.6611,
4.3037

■ 25.3875, 22.4635,
30.0057

■ 6.9835, 13.5403,
3.6431

■ 28.5113, 23.9924,
33.8310

■ 31.9237, 25.6640,
37.9478

■ 35.6318, 27.4817,
42.3622

Harmonies

Analogous

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



13.4500, 16.0623, 9.8735



12.2595, 16.0623, 12.8101



11.8577, 16.0623, 17.6350

Triad

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



12.2595, 16.0623, 12.8101



15.3176, 16.0623, 30.3695



18.6713, 16.0623, 12.6064

Complementary

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



12.2595, 16.0623, 12.8101



13.6540, 11.3056, 16.2150

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.



19.2736, 16.0623, 17.3440



12.2595, 16.0623, 12.8101



17.2401, 16.0623, 28.2640

Square

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



12.2595, 16.0623, 12.8101



13.5311, 16.0623, 28.4649



18.7294, 16.0623, 23.1878



17.1448, 16.0623, 9.7745

Rectangle

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



12.2595, 16.0623, 12.8101



12.0621, 16.0623, 21.5260



18.7294, 16.0623, 23.1878



18.9940, 16.0623, 13.9914

Sweetspot

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



12.2599, 16.0630, 12.8105



28.0281, 31.3919, 31.5054



14.7254, 17.3819, 10.7625



6.5439, 7.3916, 7.3339



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.



12.2599, 16.0630, 12.8105



19.8615, 27.4274, 20.0334



13.1737, 16.4285, 17.6223



3.9913, 4.4661, 4.4879



7.6127, 14.7688, 3.9455



36.0024, 70.3240, 17.1823

Inverse Universe

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



13.6540, 11.3056, 16.2150



22.7240, 17.6511, 27.0182



12.7552, 10.9461, 11.4821



4.1105, 4.0599, 4.7793



10.3462, 5.1146, 10.3800



48.9827, 24.2494, 47.5667

Previews

White Background



This preview shows how the XYZ color 12.2595, 16.0623, 12.8101 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 12.2595, 16.0623, 12.8101 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 12.2595, 16.0623, 12.8101

Background



This preview shows how black text looks on a background with the XYZ color 12.2595, 16.0623, 12.8101.



This preview shows how white text looks on a background with the XYZ color 12.2595, 16.0623,

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

12.2595, 16.0623, 12.8101

Protanopia

14.9588, 15.9417, 11.7398

Deuteranopia

16.1214, 15.8719, 13.2802



Tritanopia

14.0669, 16.0953, 21.7673

Trichromacy



Original Color

12.2595, 16.0623, 12.8101

Protanomaly

13.6885, 15.7761, 11.9965

Deuteranomaly

14.4153, 15.7941, 13.1153

Tritanomaly

13.2724, 15.9411, 18.0002

Monochromacy



Original Color

12.2595, 16.0623, 12.8101

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.0704, 14.9051, 14.5000

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2595, 16.0623, 12.8101 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(83, 120, 93)` looks like.

```
.text, #text, p{  
    color:rgb(83, 120, 93)  
}
```

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(83, 120, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 120, 93) }
```

Border

The CSS property to change the border of an element to XYZ 12.2595, 16.0623, 12.8101 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(83, 120, 93) }
```


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

```
.border{ border-color:rgb(83, 120, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 120, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 120, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 120, 93);  
box-shadow:4px 4px 4px 4px rgb(83, 120,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2595, 16.0623, 12.8101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 120, 93) }
```

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

```
.background{ background-color: rgb(83, 120,  
93) }
```

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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