

Converting Colors

XYZ(12.7785, 19.2686, 13.2971)

Have a look what the booklet for
XYZ(12.7785, 19.2686, 13.2971)
contains.

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Color

**XYZ(12.7541, 19.2082,
13.3913)**

Conversions

Conversions Part 1

Format	Color
Hex	40875D
RGB	64, 135, 93
RGB Percent	25%, 53%, 36%
CMY	0.7490, 0.4706, 0.6353
CMYK	0.53, 0.00, 0.31, 0.47
HSL	145°, 36%, 39%
HSV	145°, 53%, 53%
XYZ	12.7541, 19.2082, 13.3913
YIQ	108.9830, -28.8340, -28.1140

Conversions

Conversions Part 2

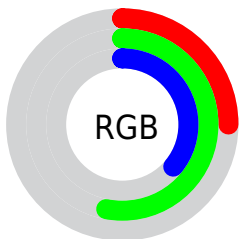
Format	Color
RYB	64, 114, 135
Decimal	4228957
CIELab	50.93, -32.51, 15.94
CIELCh	51, 36.206, 153.887
Yxy	19.2082, 0.2812, 0.4235
Android (android.graphics.Color)	4282419037 (0xFF40875D)
YUV	108.9830, -7.8796, -39.4501
Hunter-Lab	43.8272, -24.7524, 12.5631

Details

The XYZ color **12.7541, 19.2082, 13.3913** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.4272, 9.8587, 14.7789**, and the grayscale version is **14.5589, 15.3171, 16.6803**.

A 20% lighter version of the original color is **30.5678, 42.1907, 32.9181**, and **3.6959, 6.5523, 3.7593** is the 20% darker color. If you saturate the color by 10%, you get **11.6449, 18.6756, 11.5885**, and if you desaturate by 10%, it is **14.1139, 19.8667, 15.3995**.

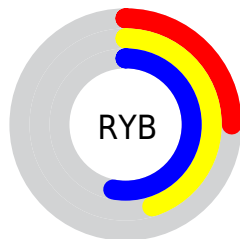
Distribution



Red (25%)

Green (53%)

Blue (36%)



Red (25%)

Yellow (45%)

Blue (53%)

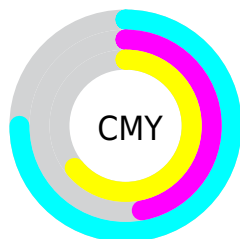


Cyan (53%)

Magenta (0%)

Yellow (31%)

Black (47%)



Cyan (75%)

Magenta (47%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7541, 19.2082, 13.3913 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 12.7541, 19.2082, 13.3913 by changing the saturation by 10% instead.

■ 12.7541, 19.2082,
13.3913

■ 12.7541, 19.2082,
13.3913

203.0053,
247.5957, 224.7057

■ 7.3353, 11.8208,
7.5647

■ 30.4664, 42.0856,
32.7064

■ 3.7208, 6.6218,
3.7339

■ 43.4906, 58.3444,
47.0320

■ 1.5454, 3.2267,
1.4805

■ 59.7805, 78.3292,
65.0277

■ 0.3564, 1.2512,
0.2034

■ 79.7017, 102.4243,
87.1119

■ 0.0000, 0.1029,
0.0000

■ 103.6194,
131.0141, 113.7033

■ 0.0000, 0.0000,
0.0000

131.8990,

164.4830, 145.2203

164.9058,
203.2154, 182.0816

■ 12.7541, 19.2082,
13.3913

■ 12.7541, 19.2082,
13.3913

■ 11.6449, 18.6756,
11.5885

■ 14.1139, 19.8667,
15.3995

■ 10.7679, 18.2582,
9.9832

■ 15.7378, 20.6564,
17.6182

■ 10.1047, 17.9469,
8.5688

■ 17.6402, 21.5852,
20.0539

■ 9.6333, 17.7307,
7.3376

■ 19.8341, 22.6596,
22.7123

■ 9.3573, 17.6058,
6.5373

■ 22.3314, 23.8857,
25.5991

■ 25.1435, 25.2693,
28.7197

■ 28.2812, 26.8157,
32.0791

■ 31.7548, 28.5302,
35.6825

■ 35.5739, 30.4178,
39.5347

Harmonies

Analogous

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



14.6862, 19.2082, 8.4593



12.7541, 19.2082, 13.3913



12.2217, 19.2082, 22.2775

Triad

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



12.7541, 19.2082, 13.3913



18.7268, 19.2082, 47.3448



24.5781, 19.2082, 11.7466

Complementary

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



12.7541, 19.2082, 13.3913



14.4272, 9.8587, 14.7789

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.



26.0093, 19.2082, 19.6082



12.7541, 19.2082, 13.3913



22.3638, 19.2082, 41.8825

Square

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



12.7541, 19.2082, 13.3913



15.3954, 19.2082, 44.0386



25.1506, 19.2082, 30.8307



21.4525, 19.2082, 7.7502

Rectangle

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



12.7541, 19.2082, 13.3913



12.6654, 19.2082, 29.9416



25.1506, 19.2082, 30.8307



25.2906, 19.2082, 13.9129

Sweetspot

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



12.7546, 19.2090, 13.3917



33.9755, 39.8217, 38.8316



15.6054, 20.8000, 8.0430



7.7068, 9.1431, 8.7976



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.7546, 19.2090, 13.3917



20.5373, 33.2924, 20.2034



14.6686, 19.9746, 23.4707



4.6893, 5.2340, 5.3751



8.6346, 16.2367, 6.0614



0.0334, 0.0576, 0.0393

Inverse Universe

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



14.4272, 9.8587, 14.7789



23.8640, 14.6464, 22.9265



12.9661, 9.2743, 7.0851



4.7795, 4.7315, 5.4512



10.5507, 5.2846, 7.4725



0.0402, 0.0198, 0.0450

Previews

White Background



This preview shows how the XYZ color 12.7541, 19.2082, 13.3913 looks on a white 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

Black Background



This preview shows how the XYZ color 12.7541, 19.2082, 13.3913 looks on a black 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

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

XYZ 12.7541, 19.2082, 13.3913

Background



This preview shows how black text looks on a background with the XYZ color 12.7541, 19.2082, 13.3913.



This preview shows how white text looks on a background with the XYZ color 12.7541, 19.2082,

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

12.7541, 19.2082, 13.3913

Protanopia

17.7636, 19.1087, 11.7689

Deuteranopia

19.2183, 18.9293, 13.9501



Tritanopia

15.6444, 19.1717, 27.6869

Trichromacy



Original Color

12.7541, 19.2082, 13.3913

Protanomaly

15.2079, 18.7071, 12.2605

Deuteranomaly

15.8764, 18.4552, 13.7918

Tritanomaly

14.3639, 19.0404, 21.6570

Monochromacy



Original Color

12.7541, 19.2082, 13.3913

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.4408, 16.2633, 15.2627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7541, 19.2082, 13.3913 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(64, 135, 93)` looks like.

```
.text, #text, p{  
    color:rgb(64, 135, 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(64, 135, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 135, 93) }
```

Border

The CSS property to change the border of an element to XYZ 12.7541, 19.2082, 13.3913 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(64, 135, 93) }
```


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

```
.border{ border-color:rgb(64, 135, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 135, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 135, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 135, 93);  
box-shadow:4px 4px 4px 4px rgb(64, 135,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7541, 19.2082, 13.3913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 135, 93) }
```

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

```
.background{ background-color: rgb(64, 135,  
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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