

Converting Colors

XYZ(10.1432, 12.2581, 13.6365)

Have a look what the booklet for
XYZ(10.1432, 12.2581, 13.6365)
contains.

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Color

**XYZ(10.1829, 12.3380,
13.6492)**

Conversions

Conversions Part 1

Format	Color
Hex	4C6863
RGB	76, 104, 99
RGB Percent	30%, 41%, 39%
CMY	0.7020, 0.5921, 0.6118
CMYK	0.27, 0.00, 0.05, 0.59
HSL	169°, 16%, 35%
HSV	169°, 27%, 41%
XYZ	10.1829, 12.3380, 13.6492
YIQ	95.0580, -15.0830, -7.4910

Conversions

Conversions Part 2

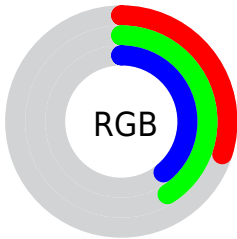
Format	Color
RYB	76, 91, 104
Decimal	5007459
CIELab	41.75, -11.44, -0.53
CIElCh	42, 11.454, 182.646
Yxy	12.3380, 0.2815, 0.3411
Android (android.graphics.Color)	4283197539 (0xFF4C6863)
YUV	95.0580, 1.9434, -16.7139
Hunter-Lab	35.1255, -9.7224, 1.5487

Details

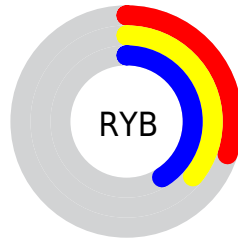
The XYZ color **10.1829, 12.3380, 13.6492** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.7789, 8.7062, 8.9500**, and the grayscale version is **10.8895, 11.4565, 12.4762**.

A 20% lighter version of the original color is **25.8306, 30.0803, 33.2988**, and **2.6412, 3.4593, 3.8967** is the 20% darker color. If you saturate the color by 10%, you get **9.3348, 11.9113, 13.1515**, and if you desaturate by 10%, it is **11.1673, 12.8354, 14.1645**.

Distribution



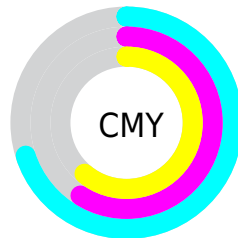
- Red (30%)
- Green (41%)
- Blue (39%)



- Red (30%)
- Yellow (36%)
- Blue (41%)



- Cyan (27%)
- Magenta (0%)
- Yellow (5%)
- Black (59%)



- Cyan (70%)
- Magenta (59%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.1829, 12.3380, 13.6492 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 10.1829, 12.3380, 13.6492 by changing the saturation by 10% instead.

10.1829, 12.3380,
13.6492

10.1829, 12.3380,
13.6492

185.9990,
206.6303, 226.3895

5.5836, 6.9743,
7.7411

25.7855, 30.1092,
33.1734

2.6318, 3.4460,
3.8444

37.5195, 43.2855,
47.6266

0.9622, 1.3688,
1.5404

52.3625, 59.8349,
65.7653

0.0000, 0.1936,
0.2477

70.6798, 80.1416,
88.0079

0.0000, 0.0000,
0.0000

92.8367, 104.5901,
114.7732

119.1986,

133.5648, 146.4795

150.1309,
167.4500, 183.5454

■ 10.1829, 12.3380,
13.6492

■ 10.1829, 12.3380,
13.6492

■ 9.3348, 11.9113,
13.1515

■ 11.1673, 12.8354,
14.1645

■ 8.6157, 11.5504,
12.6701

■ 12.2931, 13.4052,
14.6969

■ 8.0188, 11.2524,
12.2049

■ 13.5661, 14.0506,
15.2470

■ 7.5365, 11.0132,
11.7556

■ 14.9917, 14.7744,
15.8152

■ 7.1605, 10.8286,
11.3217

■ 16.5751, 15.5793,
16.4016

■ 6.8810, 10.6935,
10.9025

■ 18.3209, 16.4677,
17.0067

■ 6.6702, 10.5936,
10.4969

■ 20.2337, 17.4420,
17.6306

■ 6.6073, 10.5638,
10.3742

■ 22.3182, 18.5045,
18.2738

■ 24.5784, 19.6574,
18.9363

Harmonies

Analogous

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



10.3470, 12.3380, 11.4142



10.1829, 12.3380, 13.6492



10.4159, 12.3380, 16.0936

Triad

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



10.1829, 12.3380, 13.6492



12.6221, 12.3380, 17.7284



12.4866, 12.3380, 9.7224

Complementary

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



10.1829, 12.3380, 13.6492



9.7789, 8.7062, 8.9500

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.



13.1436, 12.3380, 11.0848



10.1829, 12.3380, 13.6492



13.2244, 12.3380, 15.6790

Square

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



10.1829, 12.3380, 13.6492



11.8018, 12.3380, 18.6182



13.4196, 12.3380, 13.2210



11.6523, 12.3380, 9.3143

Rectangle

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



10.1829, 12.3380, 13.6492



10.7718, 12.3380, 17.4669



13.4196, 12.3380, 13.2210



12.7368, 12.3380, 10.0752

Sweetspot

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



10.1833, 12.3385, 13.6495



21.2948, 23.3797, 25.6600



9.6599, 12.1782, 8.6790



5.1352, 5.6735, 6.2327



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



10.1833, 12.3385, 13.6495



16.9473, 21.1835, 23.4200



9.5837, 10.7448, 14.6662



2.8837, 3.1772, 3.4890



8.1341, 13.0173, 12.7335



42.1333, 67.7759, 64.8831

Inverse Universe

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



9.7789, 8.7062, 8.9500



16.1167, 13.7136, 13.7596



10.2518, 9.9412, 8.2160



2.8476, 2.8537, 3.0701



7.1681, 3.6802, 1.0177



37.1448, 19.0979, 4.0399

Previews

White Background



This preview shows how the XYZ color 10.1829, 12.3380, 13.6492 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 10.1829, 12.3380, 13.6492 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 10.1829, 12.3380, 13.6492

Background



This preview shows how black text looks on a background with the XYZ color 10.1829, 12.3380, 13.6492.



This preview shows how white text looks on a background with the XYZ color 10.1829, 12.3380,

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

10.1829, 12.3380, 13.6492

Protanopia

11.8001, 12.3283, 12.5841

Deuteranopia

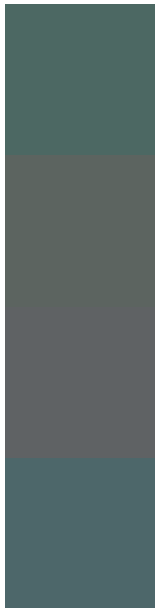
12.3850, 12.1882, 14.0117



Tritanopia

10.7077, 12.2482, 16.5516

Trichromacy



Original Color

10.1829, 12.3380, 13.6492

Protanomaly

11.0821, 12.2342, 12.8437

Deuteranomaly

11.3872, 12.0884, 13.7897

Tritanomaly

10.5123, 12.3189, 15.4594

Monochromacy



Original Color

10.1829, 12.3380, 13.6492

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.5035, 11.6546, 12.7623

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1829, 12.3380, 13.6492 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(76, 104, 99)` looks like.

```
.text, #text, p{  
    color:rgb(76, 104, 99)  
}
```

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(76, 104, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 104, 99) }
```

Border

The CSS property to change the border of an element to XYZ 10.1829, 12.3380, 13.6492 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(76, 104, 99) }
```


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

```
.border{ border-color:rgb(76, 104, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 104, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 104, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 104, 99);  
box-shadow:4px 4px 4px 4px rgb(76, 104,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 10.1829, 12.3380, 13.6492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 104, 99) }
```

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

```
.background{ background-color: rgb(76, 104,  
99) }
```

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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