

Converting Colors

XYZ(10.4299, 14.6020, 12.1667)

Have a look what the booklet for
XYZ(10.4299, 14.6020, 12.1667)
contains.

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Color

**XYZ(10.4296, 14.6017,
12.1662)**

Conversions

Conversions Part 1

Format	Color
Hex	41755B
RGB	65, 117, 91
RGB Percent	25%, 46%, 36%
CMY	0.7451, 0.5412, 0.6431
CMYK	0.44, 0.00, 0.22, 0.54
HSL	150°, 29%, 36%
HSV	150°, 44%, 46%
XYZ	10.4296, 14.6017, 12.1662
YIQ	98.4880, -22.6460, -19.1100

Conversions

Conversions Part 2

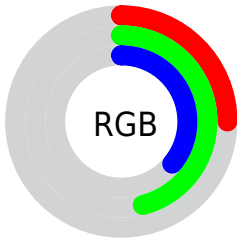
Format	Color
RYB	65, 100, 117
Decimal	4289883
CIELab	45.08, -23.92, 8.99
CIELCh	45, 25.549, 159.406
Yxy	14.6017, 0.2804, 0.3925
Android (android.graphics.Color)	4282479963 (0xFF41755B)
YUV	98.4880, -3.6916, -29.3690
Hunter-Lab	38.2122, -18.1516, 7.8714

Details

The XYZ color **10.4296, 14.6017, 12.1662** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.1153, 8.3182, 10.9180**, and the grayscale version is **11.7445, 12.3562, 13.4559**.

A 20% lighter version of the original color is **26.1981, 34.0120, 30.3835**, and **2.7068, 4.4093, 3.1910** is the 20% darker color. If you saturate the color by 10%, you get **9.4913, 14.1464, 10.8560**, and if you desaturate by 10%, it is **11.5489, 15.1488, 13.5882**.

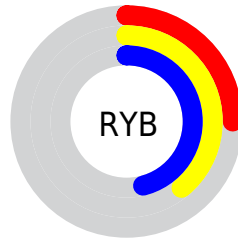
Distribution



Red (25%)

Green (46%)

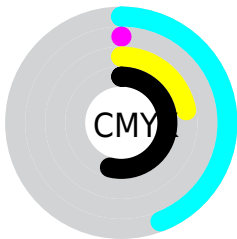
Blue (36%)



Red (25%)

Yellow (39%)

Blue (46%)

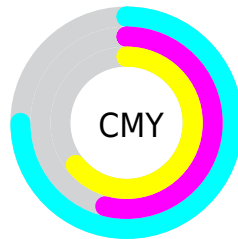


Cyan (44%)

Magenta (0%)

Yellow (22%)

Black (54%)



Cyan (75%)

Magenta (54%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.4296, 14.6017, 12.1662 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 10.4296, 14.6017, 12.1662 by changing the saturation by 10% instead.

■ 10.4296, 14.6017,
12.1662

■ 10.4296, 14.6017,
12.1662

187.7016,
220.9426, 216.5193

■ 5.7492, 8.5403,
6.7331

■ 26.2429, 34.1529,
30.4664

■ 2.7324, 4.4426,
3.2198

■ 38.1064, 48.4115,
44.1705

■ 1.0139, 1.9241,
1.2079

■ 53.0950, 66.1714,
61.4686

■ 0.0000, 0.5628,
0.0000

■ 71.5740, 87.8168,
82.7794

■ 0.0000, 0.0000,
0.0000

■ 93.9089, 113.7323,
108.5213

120.4648,

144.3021, 139.1129

151.6073,
179.9108, 174.9727

■ 10.4296, 14.6017,
12.1662

■ 10.4296, 14.6017,
12.1662

■ 9.4913, 14.1464,
10.8560

■ 11.5489, 15.1488,
13.5882

■ 8.7224, 13.7758,
9.6538

■ 12.8575, 15.7908,
15.1238

■ 8.1116, 13.4846,
8.5571


■ 14.3647, 16.5327,
16.7759


■ 7.6460, 13.2661,
7.5626


■ 16.0788, 17.3790,
18.5469


■ 7.3055, 13.1101,
6.6669


■ 18.0076, 18.3334,
20.4394

 7.1380, 13.0337,
6.2093

 20.1585, 19.3998,
22.4556

 22.5385, 20.5818,
24.5978

 25.1543, 21.8828,
26.8683

 28.0125, 23.3061,
29.2692

Harmonies

Analogous

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



11.4685, 14.6017, 8.5295



10.4296, 14.6017, 12.1662



10.2620, 14.6017, 17.8657

Triad

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



10.4296, 14.6017, 12.1662



14.5493, 14.6017, 30.2641



17.2401, 14.6017, 9.6266

Complementary

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



10.4296, 14.6017, 12.1662



11.1153, 8.3182, 10.9180

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.



18.2581, 14.6017, 14.0817



10.4296, 14.6017, 12.1662



16.6045, 14.6017, 26.6197

Square

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



10.4296, 14.6017, 12.1662



12.5053, 14.6017, 29.3761



18.0144, 14.6017, 20.3259



15.3487, 14.6017, 7.3409

Rectangle

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



10.4296, 14.6017, 12.1662



10.6480, 14.6017, 22.2836



18.0144, 14.6017, 20.3259



17.7041, 14.6017, 10.8674

Sweetspot

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



10.4300, 14.6023, 12.1665



26.0435, 29.7628, 30.3804



11.7162, 15.3733, 7.3511



5.8678, 6.7838, 6.8575



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



10.4300, 14.6023, 12.1665



17.0070, 25.3367, 19.4560



11.7019, 15.1111, 18.8643



3.7099, 4.1259, 4.3061



7.8564, 14.3566, 6.7998



37.8527, 69.7883, 30.8590

Inverse Universe

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



11.1153, 8.3182, 10.9180



18.3986, 12.5755, 16.9205



10.2063, 7.9547, 6.1314



3.7532, 3.7286, 4.2271



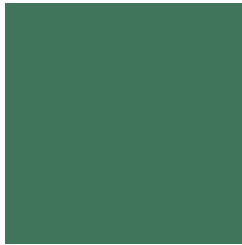
8.9306, 4.5059, 4.8426



43.0873, 21.7851, 21.3211

Previews

White Background



This preview shows how the XYZ color 10.4296, 14.6017, 12.1662 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 10.4296, 14.6017, 12.1662 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 10.4296, 14.6017, 12.1662

Background



This preview shows how black text looks on a background with the XYZ color 10.4296, 14.6017, 12.1662.



This preview shows how white text looks on a background with the XYZ color 10.4296, 14.6017,

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

10.4296, 14.6017, 12.1662

Protanopia

13.6438, 14.4907, 10.8820

Deuteranopia

14.6569, 14.3758, 12.5920



Tritanopia

12.1656, 14.6319, 20.5954

Trichromacy



Original Color

10.4296, 14.6017, 12.1662

Protanomaly

12.1613, 14.3432, 11.3601

Deuteranomaly

12.6003, 14.0724, 12.4081

Tritanomaly

11.4123, 14.4844, 17.2332

Monochromacy



Original Color

10.4296, 14.6017, 12.1662

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

10.9549, 12.9078, 12.7405

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4296, 14.6017, 12.1662 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(65, 117, 91)` looks like.

```
.text, #text, p{  
    color:rgb(65, 117, 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(65, 117, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 117, 91) }
```

Border

The CSS property to change the border of an element to XYZ 10.4296, 14.6017, 12.1662 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(65, 117, 91) }
```


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

```
.border{ border-color:rgb(65, 117, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 117, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 117, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 117, 91);  
box-shadow:4px 4px 4px 4px rgb(65, 117,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 10.4296, 14.6017, 12.1662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 117, 91) }
```

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

```
.background{ background-color: rgb(65, 117,  
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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