

Converting Colors

XYZ(10.2775, 15.1256, 6.7081)

Have a look what the booklet for
XYZ(10.2775, 15.1256, 6.7081)
contains.

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Color

**XYZ(10.2797, 15.1757,
6.6624)**

Conversions

Conversions Part 1

Format	Color
Hex	49783C
RGB	73, 120, 60
RGB Percent	29%, 47%, 24%
CMY	0.7137, 0.5294, 0.7647
CMYK	0.39, 0.00, 0.50, 0.53
HSL	107°, 33%, 35%
HSV	107°, 50%, 47%
XYZ	10.2797, 15.1757, 6.6624
YIQ	99.1070, -8.7520, -28.6240

Conversions

Conversions Part 2

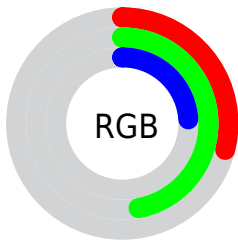
Format	Color
RYB	60, 120, 107
Decimal	4814908
CIELab	45.87, -28.47, 27.87
CIELCh	46, 39.843, 135.617
Yxy	15.1757, 0.3201, 0.4725
Android (android.graphics.Color)	4283004988 (0xFF49783C)
YUV	99.1070, -19.2798, -22.8958
Hunter-Lab	38.9560, -21.0705, 17.1292

Details

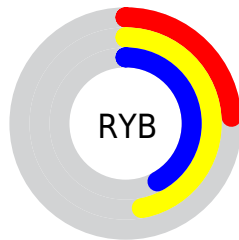
The XYZ color **10.2797, 15.1757, 6.6624** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.0704, 7.7142, 18.6758**, and the grayscale version is **11.9357, 12.5573, 13.6749**.

A 20% lighter version of the original color is **26.0161, 35.2764, 19.9058**, and **2.6859, 4.7203, 1.1850** is the 20% darker color. If you saturate the color by 10%, you get **9.3387, 14.7236, 5.1462**, and if you desaturate by 10%, it is **11.4012, 15.7134, 8.5633**.

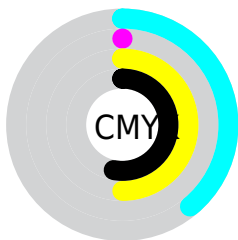
Distribution



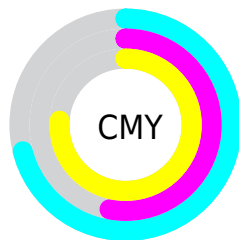
- Red (29%)
- Green (47%)
- Blue (24%)



- Red (24%)
- Yellow (47%)
- Blue (42%)



- Cyan (39%)
- Magenta (0%)
- Yellow (50%)
- Black (53%)





- Cyan (71%)
- Magenta (53%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2797, 15.1757, 6.6624 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 10.2797, 15.1757, 6.6624 by changing the saturation by 10% instead.


 10.2797, 15.1757,
6.6624


 10.2797, 15.1757,
6.6624


186.6691,
224.4272, 174.3514


 5.6485, 8.9428,
3.1767


 25.9652, 35.1611,
19.7919


 2.6712, 4.7039,
1.1855

 37.7502, 49.6824,
30.2728


 0.9823, 2.0746,
0.0000

 52.6505, 67.7353,
43.9224

 0.0000, 0.6503,
0.0000

 71.0315, 89.7041,
61.1594

 0.0000, 0.0000,
0.0000

 93.2585, 115.9734,
82.4022

 119.6968,

146.9274, 108.0695

150.7119,
182.9505, 138.5797

■ 10.2797, 15.1757,
6.6624

■ 10.2797, 15.1757,
6.6624

■ 9.3387, 14.7236,
5.1462

■ 11.4012, 15.7134,
8.5633

■ 8.5672, 14.3508,
3.9876

■ 12.7109, 16.3388,
10.8718

■ 7.9550, 14.0529,
3.1574


■ 14.2177, 17.0566,
13.6099


■ 7.4898, 13.8245,
2.6215


■ 15.9294, 17.8702,
16.7979

■ 7.1427, 13.6532,
2.2589


■ 17.8534, 18.7831,
20.4549

 7.1427, 13.6532,
2.2589

 19.9967, 19.7985,
24.5987

 22.3661, 20.9196,
29.2462

 24.9679, 22.1492,
34.4136

 27.8084, 23.4902,
40.1164

Harmonies

Analogous

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



12.7528, 15.1757, 4.3378



10.2797, 15.1757, 6.6624



9.0246, 15.1757, 12.3383

Triad

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



10.2797, 15.1757, 6.6624



12.8771, 15.1757, 41.7278



21.5887, 15.1757, 12.0241

Complementary

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



10.2797, 15.1757, 6.6624



11.0704, 7.7142, 18.6758

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.



21.6358, 15.1757, 21.5626



10.2797, 15.1757, 6.6624



16.2352, 15.1757, 41.5368

Square

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



10.2797, 15.1757, 6.6624



10.3584, 15.1757, 33.6013



19.5549, 15.1757, 33.1509



19.4346, 15.1757, 6.5098

Rectangle

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



10.2797, 15.1757, 6.6624



8.8996, 15.1757, 18.4029



19.5549, 15.1757, 33.1509



21.8615, 15.1757, 14.7771

Sweetspot

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



10.2801, 15.1763, 6.6627



26.3540, 30.6394, 26.4329



13.8198, 14.8355, 6.4104



6.1257, 7.2042, 6.0416



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.



10.2801, 15.1763, 6.6627



16.2064, 25.7899, 8.7129



9.9200, 14.9302, 9.3806



4.0246, 4.4880, 4.2786



7.7810, 14.8885, 2.4637



36.5102, 70.7071, 11.7236

Inverse Universe

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



11.0704, 7.7142, 18.6758



17.7427, 11.0329, 32.4475



11.8104, 8.2045, 13.7938



4.0736, 4.0358, 5.0075



8.7229, 4.0696, 19.7111



40.8689, 19.0307, 93.9890

Previews

White Background



This preview shows how the XYZ color 10.2797, 15.1757, 6.6624 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 10.2797, 15.1757, 6.6624 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 10.2797, 15.1757, 6.6624

Background



This preview shows how black text looks on a background with the XYZ color 10.2797, 15.1757, 6.6624.



This preview shows how white text looks on a background with the XYZ color 10.2797, 15.1757,

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

10.2797, 15.1757, 6.6624

Protanopia

13.6841, 14.9326, 5.9024

Deuteranopia

15.1357, 14.8960, 6.9280



Tritanopia

13.0741, 15.1002, 20.6379

Trichromacy



Original Color

10.2797, 15.1757, 6.6624

Protanomaly

12.0122, 14.7085, 6.0768

Deuteranomaly

12.7963, 14.6112, 6.8484

Tritanomaly

11.8058, 15.0971, 14.0962

Monochromacy



Original Color

10.2797, 15.1757, 6.6624

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.1138, 13.3449, 10.5844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2797, 15.1757, 6.6624 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(73, 120, 60)` looks like.

```
.text, #text, p{  
    color:rgb(73, 120, 60)  
}
```

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(73, 120, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 120, 60) }
```

Border

The CSS property to change the border of an element to XYZ 10.2797, 15.1757, 6.6624 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(73, 120, 60) }
```


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

```
.border{ border-color:rgb(73, 120, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 120, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 120, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 120, 60);  
box-shadow:4px 4px 4px 4px rgb(73, 120,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2797, 15.1757, 6.6624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 120, 60) }
```

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

```
.background{ background-color: rgb(73, 120,  
60) }
```

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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