

Converting Colors

XYZ(10.6115, 15.2586, 9.9600)

Have a look what the booklet for
XYZ(10.6115, 15.2586, 9.9600)
contains.

XYZ(10.6187, 15.2773, 9.9786)	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(10.6187, 15.2773,
9.9786)**

Conversions

Conversions Part 1

Format	Color
Hex	457850
RGB	69, 120, 80
RGB Percent	27%, 47%, 31%
CMY	0.7294, 0.5294, 0.6863
CMYK	0.42, 0.00, 0.33, 0.53
HSL	133°, 27%, 37%
HSV	133°, 42%, 47%
XYZ	10.6187, 15.2773, 9.9786
YIQ	100.1910, -17.5560, -23.2520

Conversions

Conversions Part 2

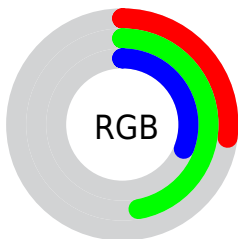
Format	Color
RYB	69, 111, 120
Decimal	4552784
CIELab	46.01, -26.48, 16.75
CIELCh	46, 31.329, 147.689
Yxy	15.2773, 0.2960, 0.4259
Android (android.graphics.Color)	4282742864 (0xFF457850)
YUV	100.1910, -9.9542, -27.3545
Hunter-Lab	39.0862, -19.9070, 12.2238

Details

The XYZ color **10.6187, 15.2773, 9.9786** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **12.6347, 9.3538, 15.6082**, and the grayscale version is **12.1901, 12.8249, 13.9663**.

A 20% lighter version of the original color is **26.6517, 35.4652, 26.2096**, and **2.8252, 4.7663, 2.3612** is the 20% darker color. If you saturate the color by 10%, you get **9.5283, 14.7530, 8.2378**, and if you desaturate by 10%, it is **11.9308, 15.9111, 11.9848**.

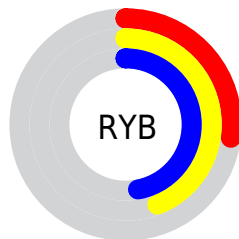
Distribution



Red (27%)

Green (47%)

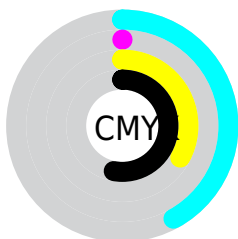
Blue (31%)



Red (27%)

Yellow (44%)

Blue (47%)

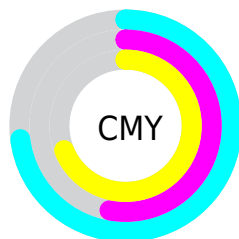


Cyan (42%)

Magenta (0%)

Yellow (33%)

Black (53%)



Cyan (73%)

Magenta (53%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.6187, 15.2773, 9.9786 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 10.6187, 15.2773, 9.9786 by changing the saturation by 10% instead.

■ 10.6187, 15.2773,
9.9786

■ 10.6187, 15.2773,
9.9786

188.9954,
225.0386, 200.9985

■ 5.8765, 9.0142,
5.2794

■ 26.5921, 35.3389,
26.3624

■ 2.8100, 4.7505,
2.3505

■ 38.5540, 49.9063,
38.8841

■ 1.0541, 2.1016,
0.7593

■ 53.6532, 68.0105,
54.8503

■ 0.0000, 0.6655,
0.0000

■ 72.2550, 90.0360,
74.6796

■ 0.0000, 0.0000,
0.0000

■ 94.7247, 116.3671,
98.7905

121.4278,

147.3883, 127.6016

152.7296,
183.4840, 161.5315

■ 10.6187, 15.2773,
9.9786

■ 10.6187, 15.2773,
9.9786

■ 9.5283, 14.7530,
8.2378

■ 11.9308, 15.9111,
11.9848

■ 8.6461, 14.3302,
6.7503

■ 13.4749, 16.6582,
14.2658

■ 7.9585, 14.0026,
5.5045


■ 15.2621, 17.5246,
16.8319


■ 7.4503, 13.7626,
4.4876


■ 17.3024, 18.5152,
19.6923


■ 7.1031, 13.6010,
3.6854


■ 19.6051, 19.6347,
22.8562

 6.9019, 13.5075,
3.2139

 22.1794, 20.8875,
26.3320

 25.0335, 22.2778,
30.1280

 28.1758, 23.8097,
34.2521

 31.6140, 25.4870,
38.7119

Harmonies

Analogous

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



12.2749, 15.2773, 6.7552



10.6187, 15.2773, 9.9786



9.9931, 15.2773, 16.0517

Triad

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



10.6187, 15.2773, 9.9786



14.3157, 15.2773, 35.9407



19.5272, 15.2773, 10.7227

Complementary

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



10.6187, 15.2773, 9.9786



12.6347, 9.3538, 15.6082

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.



20.2431, 15.2773, 17.2310



10.6187, 15.2773, 9.9786



17.0247, 15.2773, 33.2328

Square

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



10.6187, 15.2773, 9.9786



11.9589, 15.2773, 32.3063



19.2775, 15.2773, 25.7385



17.4243, 15.2773, 7.0837

Rectangle

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



10.6187, 15.2773, 9.9786



10.1791, 15.2773, 21.4849



19.2775, 15.2773, 25.7385



19.9485, 15.2773, 12.5751

Sweetspot

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



10.6191, 15.2779, 9.9789



26.5685, 30.6887, 29.2144



14.1968, 17.1655, 8.1955



6.1518, 7.2027, 6.7174



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.



10.6191, 15.2779, 9.9789



16.8015, 25.9679, 14.5594



11.7056, 15.7125, 15.7003



3.9830, 4.4628, 4.4444



7.5245, 14.7335, 3.4811



35.6284, 70.1744, 15.2128

Inverse Universe

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



12.6347, 9.3538, 15.6082



20.8423, 14.0700, 25.8293



11.4863, 8.8945, 9.5610



4.1192, 4.0634, 4.8256



10.6548, 5.2381, 12.0048



50.5012, 24.8568, 55.5627

Previews

White Background



This preview shows how the XYZ color 10.6187, 15.2773, 9.9786 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 10.6187, 15.2773, 9.9786 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 10.6187, 15.2773, 9.9786

Background



This preview shows how black text looks on a background with the XYZ color 10.6187, 15.2773, 9.9786.



This preview shows how white text looks on a background with the XYZ color 10.6187, 15.2773,

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

10.6187, 15.2773, 9.9786

Protanopia

13.9687, 15.0150, 8.8186

Deuteranopia

15.3029, 15.0527, 10.4864



Tritanopia

12.9933, 15.3790, 21.3524

Trichromacy



Original Color

10.6187, 15.2773, 9.9786

Protanomaly

12.3893, 14.8335, 9.2313

Deuteranomaly

13.0811, 14.8406, 10.3587

Tritanomaly

11.9697, 15.3011, 16.5099

Monochromacy



Original Color

10.6187, 15.2773, 9.9786

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.3533, 13.4296, 12.3497

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.6187, 15.2773, 9.9786 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(69, 120, 80)` looks like.

```
.text, #text, p{  
    color:rgb(69, 120, 80)  
}
```

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(69, 120, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 120, 80) }
```

Border

The CSS property to change the border of an element to XYZ 10.6187, 15.2773, 9.9786 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(69, 120, 80) }
```


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

```
.border{ border-color:rgb(69, 120, 80) }
```

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

Here you see how a box with a 4 pixel rgb(69, 120, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 120, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 120, 80);  
box-shadow:4px 4px 4px 4px rgb(69, 120,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 10.6187, 15.2773, 9.9786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 120, 80) }
```

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

```
.background{ background-color: rgb(69, 120,  
80) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor