

Converting Colors

XYZ(10.0946, 15.5108, 6.9062)

Have a look what the booklet for
XYZ(10.0946, 15.5108, 6.9062)
contains.

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Color

**XYZ(10.0486, 15.4142,
6.8605)**

Conversions

Conversions Part 1

Format	Color
Hex	427A3D
RGB	66, 122, 61
RGB Percent	26%, 48%, 24%
CMY	0.7412, 0.5216, 0.7608
CMYK	0.46, 0.00, 0.50, 0.52
HSL	115°, 33%, 36%
HSV	115°, 50%, 48%
XYZ	10.0486, 15.4142, 6.8605
YIQ	98.3020, -13.7950, -30.8430

Conversions

Conversions Part 2

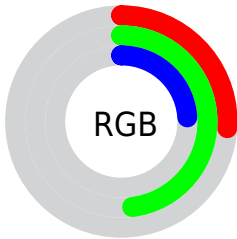
Format	Color
RYB	61, 122, 117
Decimal	4356669
CIELab	46.20, -31.66, 27.65
CIELCh	46, 42.037, 138.870
Yxy	15.4142, 0.3109, 0.4769
Android (android.graphics.Color)	4282546749 (0xFF427A3D)
YUV	98.3020, -18.3899, -28.3289
Hunter-Lab	39.2609, -23.0206, 17.1222

Details

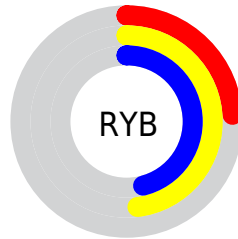
The XYZ color **10.0486, 15.4142, 6.8605** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **12.5184, 8.5250, 19.3988**, and the grayscale version is **11.7320, 12.3429, 13.4415**.

A 20% lighter version of the original color is **25.6157, 35.6373, 20.2804**, and **2.6068, 4.8707, 1.2547** is the 20% darker color. If you saturate the color by 10%, you get **9.0746, 14.9463, 5.2905**, and if you desaturate by 10%, it is **11.2459, 15.9895, 8.8320**.

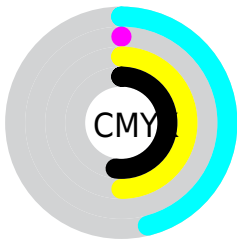
Distribution



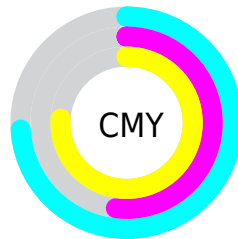
- Red (26%)
- Green (48%)
- Blue (24%)



- Red (24%)
- Yellow (48%)
- Blue (46%)



- Cyan (46%)
- Magenta (0%)
- Yellow (50%)
- Black (52%)



- Cyan (74%)
- Magenta (52%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.0486, 15.4142, 6.8605 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 10.0486, 15.4142, 6.8605 by changing the saturation by 10% instead.

■ 10.0486, 15.4142,
6.8605

■ 10.0486, 15.4142,
6.8605

185.0650,
225.8598, 176.0862

■ 5.4937, 9.1106,
3.2979

■ 25.5357, 35.5782,
20.2001

■ 2.5775, 4.8134,
1.2487

■ 37.1987, 50.2074,
30.8141

■ 0.9345, 2.1382,
0.0192

■ 51.9617, 68.3805,
44.6158

■ 0.0000, 0.6860,
0.0000

■ 70.1901, 90.4820,
62.0235

■ 0.0000, 0.0000,
0.0000

■ 92.2492, 116.8963,
83.4558

■ 118.5045,

148.0078, 109.3314

149.3213,
184.2008, 140.0687

■ 10.0486, 15.4142,
6.8605

■ 10.0486, 15.4142,
6.8605

■ 9.0746, 14.9463,
5.2905

■ 11.2459, 15.9895,
8.8320

■ 8.3091, 14.5774,
4.0934

■ 12.6782, 16.6763,
11.2290

■ 7.7370, 14.3008,
3.2387


■ 14.3573, 17.4807,
14.0745


■ 7.3409, 14.1083,
2.6906

■ 16.2943, 18.4078,
17.3898


■ 7.0850, 13.9842,
2.3258


■ 18.4993, 19.4626,
21.1949

 7.0850, 13.9842,
2.3258

 20.9821, 20.6496,
25.5085

 23.7518, 21.9732,
30.3483

 26.8173, 23.4376,
35.7313

 30.1869, 25.0466,
41.6735

Harmonies

Analogous

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



12.5329, 15.4142, 4.1779



10.0486, 15.4142, 6.8605



8.8755, 15.4142, 13.2545

Triad

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



10.0486, 15.4142, 6.8605



13.3603, 15.4142, 44.5542



22.1877, 15.4142, 11.1749

Complementary

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



10.0486, 15.4142, 6.8605



12.5184, 8.5250, 19.3988

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.



22.5067, 15.4142, 20.8890



10.0486, 15.4142, 6.8605



16.9947, 15.4142, 43.2450

Square

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



10.0486, 15.4142, 6.8605



10.5690, 15.4142, 36.4722



20.4791, 15.4142, 33.4016



19.6676, 15.4142, 5.8742

Rectangle

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



10.0486, 15.4142, 6.8605



8.8418, 15.4142, 20.0147



20.4791, 15.4142, 33.4016



22.5696, 15.4142, 13.9202

Sweetspot

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



10.0490, 15.4149, 6.8608



26.7807, 31.4816, 27.3604



15.2206, 17.1784, 6.9287



5.9944, 7.1366, 6.0354



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.



10.0490, 15.4149, 6.8608



15.7474, 26.1895, 8.9630



10.5810, 15.5904, 11.3444



3.9785, 4.4642, 4.2765



7.4555, 14.7207, 2.4484



35.2546, 70.0598, 11.6648

Inverse Universe

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



12.5184, 8.5250, 19.3988



20.6088, 12.5687, 33.7327



11.8336, 8.3308, 12.1925



4.1237, 4.0616, 5.0098



10.7307, 5.1046, 19.8050



50.8435, 24.1728, 94.4559

Previews

White Background



This preview shows how the XYZ color 10.0486, 15.4142, 6.8605 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 10.0486, 15.4142, 6.8605 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 10.0486, 15.4142, 6.8605

Background



This preview shows how black text looks on a background with the XYZ color 10.0486, 15.4142, 6.8605.



This preview shows how white text looks on a background with the XYZ color 10.0486, 15.4142,

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

10.0486, 15.4142, 6.8605

Protanopia

13.9529, 15.2258, 6.0744

Deuteranopia

15.4494, 15.1995, 7.2738



Tritanopia

12.9933, 15.3790, 21.3524

Trichromacy



Original Color

10.0486, 15.4142, 6.8605

Protanomaly

12.0366, 15.0494, 6.2734

Deuteranomaly

12.7942, 14.9272, 7.0574

Tritanomaly

11.6514, 15.3523, 14.6611

Monochromacy



Original Color

10.0486, 15.4142, 6.8605

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

10.7351, 13.1497, 10.5667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0486, 15.4142, 6.8605 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(66, 122, 61)` looks like.

```
.text, #text, p{  
    color:rgb(66, 122, 61)  
}
```

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(66, 122, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 122, 61) }
```

Border

The CSS property to change the border of an element to XYZ 10.0486, 15.4142, 6.8605 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(66, 122, 61) }
```


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

```
.border{ border-color:rgb(66, 122, 61) }
```

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

Here you see how a box with a 4 pixel rgb(66, 122, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 122, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 122, 61);  
box-shadow:4px 4px 4px 4px rgb(66, 122,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 10.0486, 15.4142, 6.8605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 122, 61) }
```

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

```
.background{ background-color: rgb(66, 122,  
61) }
```

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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