

Converting Colors

XYZ(10.8076, 16.9303, 7.2850)

Have a look what the booklet for
XYZ(10.8076, 16.9303, 7.2850)
contains.

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Color

**XYZ(10.7686, 16.9100,
7.2538)**

Conversions

Conversions Part 1

Format	Color
Hex	41803E
RGB	65, 128, 62
RGB Percent	25%, 50%, 24%
CMY	0.7451, 0.4980, 0.7569
CMYK	0.49, 0.00, 0.52, 0.50
HSL	117°, 35%, 37%
HSV	117°, 52%, 50%
XYZ	10.7686, 16.9100, 7.2538
YIQ	101.6390, -16.3620, -33.8820

Conversions

Conversions Part 2

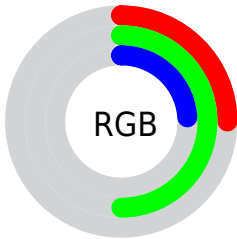
Format	Color
RYB	62, 128, 125
Decimal	4292670
CIELab	48.15, -34.55, 29.52
CIELCh	48, 45.445, 139.490
Yxy	16.9100, 0.3083, 0.4841
Android (android.graphics.Color)	4282482750 (0xFF41803E)
YUV	101.6390, -19.5420, -32.1324
Hunter-Lab	41.1218, -25.2191, 18.3266

Details

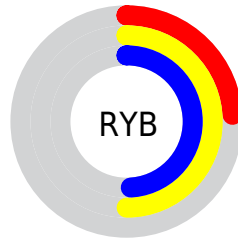
The XYZ color **10.7686, 16.9100, 7.2538** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **14.0774, 9.3644, 21.4886**, and the grayscale version is **12.5878, 13.2434, 14.4220**.

A 20% lighter version of the original color is **26.7292, 37.9774, 20.9605**, and **2.8732, 5.5155, 1.3651** is the 20% darker color. If you saturate the color by 10%, you get **9.7349, 16.4135, 5.5831**, and if you desaturate by 10%, it is **12.0610, 17.5313, 9.3693**.

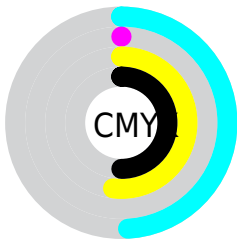
Distribution



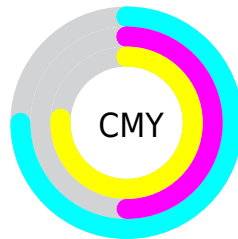
- Red (25%)
- Green (50%)
- Blue (24%)



- Red (24%)
- Yellow (50%)
- Blue (49%)



- Cyan (49%)
- Magenta (0%)
- Yellow (52%)
- Black (50%)



- Cyan (75%)
- Magenta (50%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.7686, 16.9100, 7.2538 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 10.7686, 16.9100, 7.2538 by changing the saturation by 10% instead.

■ 10.7686, 16.9100,
7.2538

■ 10.7686, 16.9100,
7.2538

190.0143,
234.6532, 179.4664

■ 5.9776, 10.1703,
3.5405

■ 26.8682, 38.1710,
21.0035

■ 2.8720, 5.5120,
1.3768

■ 38.9076, 53.4611,
31.8770

■ 1.0864, 2.5507,
0.1235

■ 54.0937, 72.3701,
45.9742

■ 0.0137, 0.9020,
0.0000

■ 72.7921, 95.2825,
63.7138

■ 0.0000, 0.0000,
0.0000

■ 95.3679, 122.5826,
85.5143

■ 122.1867,

154.6548, 111.7942

153.6137,
191.8836, 142.9721

■ 10.7686, 16.9100,
7.2538

■ 10.7686, 16.9100,
7.2538

■ 9.7349, 16.4135,
5.5831

■ 12.0610, 17.5313,
9.3693

■ 8.9412, 16.0314,
4.3245

■ 13.6265, 18.2826,
11.9571

■ 8.3686, 15.7551,
3.4425

■ 15.4799, 19.1717,
15.0436

■ 7.9946, 15.5741,
2.8953

■ 17.6348, 20.2050,
18.6532

■ 7.7923, 15.4766,
2.5766

■ 20.1037, 21.3883,
22.8085

■ 22.8985, 22.7274,
27.5308

■ 26.0304, 24.2277,
32.8403

■ 29.5102, 25.8943,
38.7563

■ 33.3482, 27.7320,
45.2970

Harmonies

Analogous

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



13.5706, 16.9100, 4.2337



10.7686, 16.9100, 7.2538



9.4717, 16.9100, 14.5747

Triad

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



10.7686, 16.9100, 7.2538



14.6698, 16.9100, 50.9586



24.7608, 16.9100, 11.8301

Complementary

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



10.7686, 16.9100, 7.2538



14.0774, 9.3644, 21.4886

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.



25.1917, 16.9100, 22.8701



10.7686, 16.9100, 7.2538



18.8643, 16.9100, 49.1668

Square

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



10.7686, 16.9100, 7.2538



11.4545, 16.9100, 41.6211



22.8822, 16.9100, 37.4409



21.7896, 16.9100, 5.9854

Rectangle

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



10.7686, 16.9100, 7.2538



9.4545, 16.9100, 22.4137



22.8822, 16.9100, 37.4409



25.2248, 16.9100, 14.9176

Sweetspot

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



10.7690, 16.9107, 7.2542



29.5483, 34.8536, 30.3255



17.0681, 19.5293, 7.4276



6.7598, 8.0843, 6.8349



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



10.7690, 16.9107, 7.2542



16.8473, 28.7568, 9.3631



11.6250, 17.2308, 12.7703



4.2927, 4.8273, 4.6256



7.7266, 15.3456, 2.5548



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.0774, 9.3644, 21.4886



23.3513, 13.8830, 37.4052



12.8442, 8.9224, 12.6755



4.4795, 4.4028, 5.4270



11.8484, 5.6618, 20.7183



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.7686, 16.9100, 7.2538 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 10.7686, 16.9100, 7.2538 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 10.7686, 16.9100, 7.2538

Background



This preview shows how black text looks on a background with the XYZ color 10.7686, 16.9100, 7.2538.



This preview shows how white text looks on a background with the XYZ color 10.7686, 16.9100,

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

10.7686, 16.9100, 7.2538

Protanopia

15.3600, 16.7657, 6.2974

Deuteranopia

16.9630, 16.7458, 7.6484



Tritanopia

14.0911, 16.9487, 23.6478

Trichromacy



Original Color

10.7686, 16.9100, 7.2538

Protanomaly

13.0952, 16.4525, 6.6231

Deuteranomaly

13.7551, 16.2519, 7.4130

Tritanomaly

12.5815, 16.8911, 15.9618

Monochromacy



Original Color

10.7686, 16.9100, 7.2538

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

11.5246, 14.1808, 11.1466

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7686, 16.9100, 7.2538 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, 128, 62)` looks like.

```
.text, #text, p{  
    color:rgb(65, 128, 62)  
}
```

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, 128, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 128, 62) }
```

Border

The CSS property to change the border of an element to XYZ 10.7686, 16.9100, 7.2538 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, 128, 62) }
```


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

```
.border{ border-color:rgb(65, 128, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 128, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 128, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 128, 62);  
box-shadow:4px 4px 4px 4px rgb(65, 128,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 10.7686, 16.9100, 7.2538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 128, 62) }
```

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

```
.background{ background-color: rgb(65, 128,  
62) }
```

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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