

Converting Colors

XYZ(10.2119, 13.8654, 11.6862)

Have a look what the booklet for
XYZ(10.2119, 13.8654, 11.6862)
contains.

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Color

**XYZ(10.1625, 13.7967,
11.5786)**

Conversions

Conversions Part 1

Format	Color
Hex	457159
RGB	69, 113, 89
RGB Percent	27%, 44%, 35%
CMY	0.7294, 0.5569, 0.6510
CMYK	0.39, 0.00, 0.21, 0.56
HSL	147°, 24%, 36%
HSV	147°, 39%, 44%
XYZ	10.1625, 13.7967, 11.5786
YIQ	97.1080, -18.5200, -16.7920

Conversions

Conversions Part 2

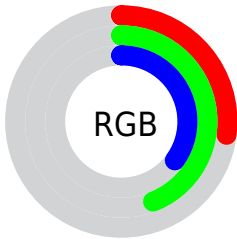
Format	Color
RYB	69, 99, 113
Decimal	4551001
CIELab	43.94, -21.05, 8.59
CIElCh	44, 22.733, 157.796
Yxy	13.7967, 0.2860, 0.3882
Android (android.graphics.Color)	4282741081 (0xFF457159)
YUV	97.1080, -3.9972, -24.6507
Hunter-Lab	37.1439, -16.1646, 7.5187

Details

The XYZ color **10.1625, 13.7967, 11.5786** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.9144, 8.5575, 11.4329**, and the grayscale version is **11.4019, 11.9956, 13.0633**.

A 20% lighter version of the original color is **25.7231, 32.6963, 29.3814**, and **2.6356, 4.1144, 2.9408** is the 20% darker color. If you saturate the color by 10%, you get **9.1880, 13.3234, 10.2381**, and if you desaturate by 10%, it is **11.3122, 14.3586, 13.0411**.

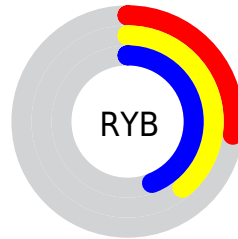
Distribution



Red (27%)

Green (44%)

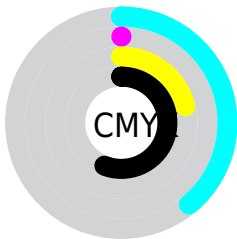
Blue (35%)



Red (27%)

Yellow (39%)

Blue (44%)

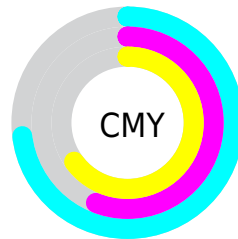


Cyan (39%)

Magenta (0%)

Yellow (21%)

Black (56%)



Cyan (73%)

Magenta (56%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.1625, 13.7967, 11.5786 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 10.1625, 13.7967, 11.5786 by changing the saturation by 10% instead.

■ 10.1625, 13.7967,
11.5786

■ 10.1625, 13.7967,
11.5786

185.8574,
215.9624, 212.4731

■ 5.5699, 7.9794,
6.3384

■ 25.7476, 32.7279,
29.3781

■ 2.6235, 4.0818,
2.9798

■ 37.4709, 46.6105,
42.7744

■ 0.9580, 1.7194,
1.0843

■ 52.3017, 63.9504,
59.7266

■ 0.0000, 0.4362,
0.0000

■ 70.6055, 85.1320,
80.6531

■ 0.0000, 0.0000,
0.0000

■ 92.7476, 110.5395,
105.9724

119.0934,

140.5575, 136.1032

150.0082,
175.5704, 171.4639

■ 10.1625, 13.7967,
11.5786

■ 10.1625, 13.7967,
11.5786

■ 9.1880, 13.3234,
10.2381

■ 11.3122, 14.3586,
13.0411

■ 8.3782, 12.9321,
9.0154

■ 12.6444, 15.0116,
14.6276

■ 7.7236, 12.6185,
7.9076

■ 14.1674, 15.7604,
16.3415

■ 7.2126, 12.3766,
6.9110

■ 15.8888, 16.6088,
18.1856

■ 6.8324, 12.1999,
6.0220

■ 17.8155, 17.5603,
20.1626

■ 6.5406, 12.0666,
5.2353

■ 19.9543, 18.6183,
22.2753

■ 6.5110, 12.0530,
5.1575

■ 22.3116, 19.7862,
24.5261

■ 24.8934, 21.0669,
26.9175

■ 27.7057, 22.4635,
29.4522

Harmonies

Analogous

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



11.1043, 13.7967, 8.4713



10.1625, 13.7967, 11.5786



9.9741, 13.7967, 16.4074

Triad

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



10.1625, 13.7967, 11.5786



13.5885, 13.7967, 27.1404



16.0433, 13.7967, 9.7290

Complementary

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



10.1625, 13.7967, 11.5786



10.9144, 8.5575, 11.4329

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.



16.8506, 13.7967, 13.7173



10.1625, 13.7967, 11.5786



15.3512, 13.7967, 24.2966

Square

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



10.1625, 13.7967, 11.5786



11.8482, 13.7967, 26.1969



16.5864, 13.7967, 19.0888



14.4655, 13.7967, 7.5862

Rectangle

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



10.1625, 13.7967, 11.5786



10.2834, 13.7967, 20.1356



16.5864, 13.7967, 19.0888



16.4200, 13.7967, 10.8574

Sweetspot

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



10.1629, 13.7973, 11.5789



24.4068, 27.7476, 28.1975



11.5142, 14.5781, 7.8373



5.5863, 6.3885, 6.4561



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



10.1629, 13.7973, 11.5789



16.5615, 23.9100, 18.4893



11.2180, 14.2193, 17.1352



3.4022, 3.7861, 3.9245



7.3755, 13.6677, 5.7984



36.3165, 67.9153, 26.6499

Inverse Universe

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



10.9144, 8.5575, 11.4329



18.1167, 13.0585, 18.1815



10.0823, 8.2247, 7.0512



3.4535, 3.4291, 3.9147



8.6899, 4.3684, 5.4431



42.8489, 21.5849, 24.8001

Previews

White Background



This preview shows how the XYZ color 10.1625, 13.7967, 11.5786 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 10.1625, 13.7967, 11.5786 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 10.1625, 13.7967, 11.5786

Background



This preview shows how black text looks on a background with the XYZ color 10.1625, 13.7967, 11.5786.



This preview shows how white text looks on a background with the XYZ color 10.1625, 13.7967,

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

10.1625, 13.7967, 11.5786

Protanopia

12.8809, 13.6556, 10.3444

Deuteranopia

13.9602, 13.7386, 12.0413



Tritanopia

11.7191, 13.7818, 19.1820

Trichromacy



Original Color

10.1625, 13.7967, 11.5786

Protanomaly

11.6567, 13.6202, 10.8187

Deuteranomaly

12.1954, 13.5678, 11.8736

Tritanomaly

10.9774, 13.6299, 15.9622

Monochromacy



Original Color

10.1625, 13.7967, 11.5786

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.8011, 12.5349, 12.4399

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1625, 13.7967, 11.5786 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, 113, 89)` looks like.

```
.text, #text, p{  
    color:rgb(69, 113, 89)  
}
```

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, 113, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 113, 89) }
```

Border

The CSS property to change the border of an element to XYZ 10.1625, 13.7967, 11.5786 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, 113, 89) }
```


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

```
.border{ border-color:rgb(69, 113, 89) }
```

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

Here you see how a box with a 4 pixel rgb(69, 113, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 113, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 113, 89);  
box-shadow:4px 4px 4px 4px rgb(69, 113,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 10.1625, 13.7967, 11.5786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 113, 89) }
```

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

```
.background{ background-color: rgb(69, 113,  
89) }
```

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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