

Converting Colors

XYZ(8.6605, 12.9949, 12.7700)

Have a look what the booklet for
XYZ(8.6605, 12.9949, 12.7700)
contains.

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Color

**XYZ(8.6982, 13.0115,
12.8795)**

Conversions

Conversions Part 1

Format	Color
Hex	24715F
RGB	36, 113, 95
RGB Percent	14%, 44%, 37%
CMY	0.8588, 0.5569, 0.6274
CMYK	0.68, 0.00, 0.16, 0.56
HSL	166°, 52%, 29%
HSV	166°, 68%, 44%
XYZ	8.6982, 13.0115, 12.8795
YIQ	87.9250, -40.1140, -21.9220

Conversions

Conversions Part 2

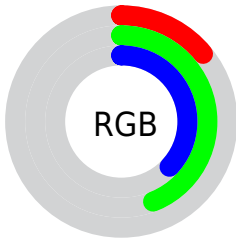
Format	Color
R_{YB}	36, 80, 113
Decimal	2388319
CIE _{Lab}	42.78, -28.04, 3.17
CIE _{LCh}	43, 28.223, 173.553
Yxy	13.0115, 0.2515, 0.3762
Android (android.graphics.Color)	4280578399 (0xFF24715F)
YUV	87.9250, 3.4880, -45.5382
Hunter-Lab	36.0715, -20.0819, 4.0802

Details

The XYZ color **8.6982, 13.0115, 12.8795** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **8.1072, 5.0391, 4.0358**, and the grayscale version is **9.2586, 9.7408, 10.6077**.

A 20% lighter version of the original color is **22.8804, 31.1787, 31.6002**, and **2.3878, 3.8885, 3.5304** is the 20% darker color. If you saturate the color by 10%, you get **8.2464, 12.7926, 12.2423**, and if you desaturate by 10%, it is **9.2794, 13.2973, 13.5446**.

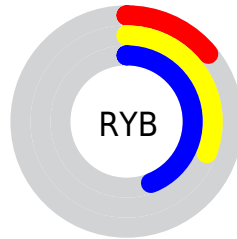
Distribution



Red (14%)

Green (44%)

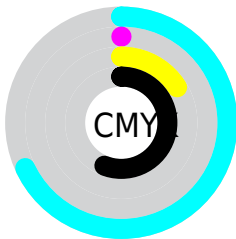
Blue (37%)



Red (14%)

Yellow (31%)

Blue (44%)

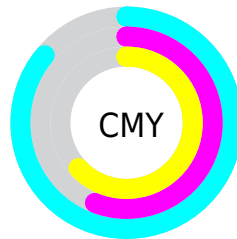


Cyan (68%)

Magenta (0%)

Yellow (16%)

Black (56%)



Cyan (86%)

Magenta (56%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.6982, 13.0115, 12.8795 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 8.6982, 13.0115, 12.8795 by changing the saturation by 10% instead.

■ 8.6982, 13.0115,
12.8795

■ 8.6982, 13.0115,
12.8795

175.3654,
210.9914, 221.3246

■ 4.6004, 7.4365,
7.2159

■ 22.9888, 31.3244,
31.7751

■ 2.0471, 3.7365,
3.5170

■ 33.9123, 44.8311,
45.8442

■ 0.6602, 1.5273,
1.3643

■ 47.8417, 61.7505,
63.5522

■ 0.0000, 0.3078,
0.1136

■ 65.1425, 82.4670,
85.3176

■ 0.0000, 0.0000,
0.0000

■ 86.1798, 107.3649,
111.5591

■ 111.3192,

136.8286, 142.6950

140.9259,
171.2427, 179.1440

■ 8.6982, 13.0115,
12.8795

■ 8.6982, 13.0115,
12.8795

■ 8.2464, 12.7926,
12.2423

■ 9.2794, 13.2973,
13.5446

■ 7.9108, 12.6327,
11.6313

■ 9.9995, 13.6540,
14.2373

■ 7.6550, 12.5136,
11.0450

■ 10.8686, 14.0869,
14.9588

■ 7.6087, 12.4920,
10.9382

■ 11.8952, 14.6006,
15.7094

■ 13.0874, 15.1992,
16.4899

■ 14.4525, 15.8864,
17.3007

■ 15.9977, 16.6659,
18.1424

■ 17.7294, 17.5411,
19.0155

■ 19.6540, 18.5153,
19.9204

Harmonies

Analogous

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



9.3316, 13.0115, 8.2350



8.6982, 13.0115, 12.8795



8.9523, 13.0115, 19.4428

Triad

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



8.6982, 13.0115, 12.8795



14.0931, 13.0115, 28.0226



14.9883, 13.0115, 6.6199

Complementary

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



8.6982, 13.0115, 12.8795



8.1072, 5.0391, 4.0358

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.



16.5555, 13.0115, 9.9445



8.6982, 13.0115, 12.8795



15.9982, 13.0115, 22.4261

Square

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



8.6982, 13.0115, 12.8795



11.9088, 13.0115, 29.4831



16.9450, 13.0115, 15.5382



12.8369, 13.0115, 5.3606

Rectangle

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



8.6982, 13.0115, 12.8795



9.6072, 13.0115, 23.9875



16.9450, 13.0115, 15.5382



15.6105, 13.0115, 7.4768

Sweetspot

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



8.6986, 13.0120, 12.8798



22.8956, 26.9451, 29.1876



7.8132, 12.7574, 3.7199



5.1869, 6.1772, 6.6804



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.



8.6986, 13.0120, 12.8798



14.3791, 22.7215, 21.2536



7.6891, 9.5288, 17.0573



3.4432, 3.8025, 4.1404



8.6229, 14.1667, 12.3666



42.6103, 70.4328, 59.7924

Inverse Universe

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



8.1072, 5.0391, 4.0358



13.2670, 7.3288, 4.3265



8.5070, 6.3946, 2.4552



3.4135, 3.4131, 3.7043



7.9348, 4.0663, 1.4664



39.2406, 20.1416, 5.7992

Previews

White Background



This preview shows how the XYZ color 8.6982, 13.0115, 12.8795 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 8.6982, 13.0115, 12.8795 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 8.6982, 13.0115, 12.8795

Background



This preview shows how black text looks on a background with the XYZ color 8.6982, 13.0115, 12.8795.

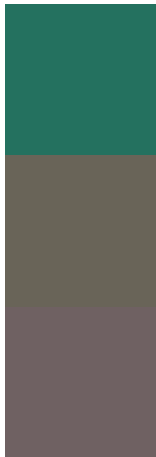


This preview shows how white text looks on a background with the XYZ color 8.6982, 13.0115,

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

8.6982, 13.0115, 12.8795

Protanopia

12.1443, 12.8222, 11.0674

Deuteranopia

13.0348, 12.8107, 13.3410



Tritanopia

10.0780, 13.0881, 19.4479

Trichromacy



Original Color

8.6982, 13.0115, 12.8795

Protanomaly

10.2482, 12.5640, 11.7825

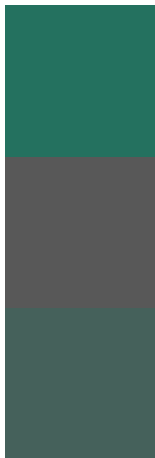
Deuteranomaly

10.6641, 12.4484, 13.1500

Tritanomaly

9.4952, 13.0083, 16.7622

Monochromacy



Original Color

8.6982, 13.0115, 12.8795

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

8.6173, 10.5699, 11.4836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.6982, 13.0115, 12.8795 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(36, 113, 95)` looks like.

```
.text, #text, p{  
    color:rgb(36, 113, 95)  
}
```

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(36, 113, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 113, 95) }
```

Border

The CSS property to change the border of an element to XYZ 8.6982, 13.0115, 12.8795 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(36, 113, 95) }
```


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

```
.border{ border-color:rgb(36, 113, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 113, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 113, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 113, 95);  
box-shadow:4px 4px 4px 4px rgb(36, 113,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 8.6982, 13.0115, 12.8795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 113, 95) }
```

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

```
.background{ background-color: rgb(36, 113,  
95) }
```

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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