

Converting Colors

XYZ(8.6880, 16.2173, 12.9160)

Have a look what the booklet for
XYZ(8.6880, 16.2173, 12.9160)
contains.

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Color

**XYZ(10.0921, 17.0229,
13.1098)**

Conversions

Conversions Part 1

Format	Color
Hex	00835D
RGB	0, 131, 93
RGB Percent	0%, 51%, 36%
CMY	1.0000, 0.4863, 0.6353
CMYK	1.00, 0.00, 0.29, 0.49
HSL	163°, 100%, 26%
HSV	163°, 100%, 51%
XYZ	10.0921, 17.0229, 13.1098
YIQ	87.4990, -65.8780, -39.5900

Conversions

Conversions Part 2

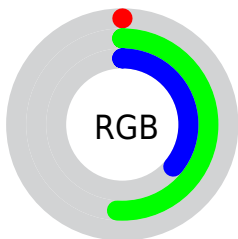
Format	Color
RYB	0, 77, 131
Decimal	33629
CIELab	48.29, -40.34, 12.08
CIELCh	48, 42.113, 163.325
Yxy	17.0229, 0.2509, 0.4232
Android (android.graphics.Color)	4278223709 (0xFF00835D)
YUV	87.4990, 2.7120, -76.7366
Hunter-Lab	41.2588, -28.5410, 10.0420

Details

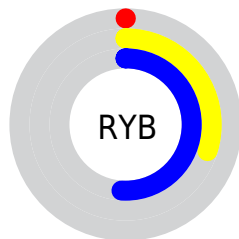
The XYZ color **10.0921, 17.0229, 13.1098** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.7105, 4.9657, 2.2813**, and the grayscale version is **9.1723, 9.6499, 10.5088**.

A 20% lighter version of the original color is **25.6152, 38.3866, 32.0459**, and **3.3818, 5.9426, 3.6581** is the 20% darker color. If you saturate the color by 10%, you get **10.0923, 17.0234, 13.1095**, and if you desaturate by 10%, it is **10.4326, 17.1789, 14.0269**.

Distribution



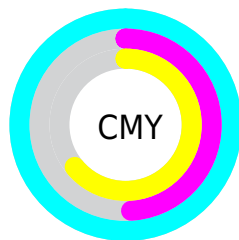
- Red (0%)
- Green (51%)
- Blue (36%)



- Red (0%)
- Yellow (30%)
- Blue (51%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (49%)





- Cyan (100%)
- Magenta (49%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.0921, 17.0229, 13.1098 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 10.0921, 17.0229, 13.1098 by changing the saturation by 10% instead.


 10.0921, 17.0229,
13.1098


 10.0921, 17.0229,
13.1098


185.3681,
235.3043, 222.8526


 5.5228, 10.2508,
7.3726


 25.6167, 38.3651,
32.1950


 2.5950, 5.5656,
3.6142

 37.3027, 53.7041,
46.3800


 0.9434, 2.5828,
1.4162

 52.0917, 72.6675,
64.2181

 0.0000, 0.9180,
0.1543

 70.3489, 95.6396,
86.1277

 0.0000, 0.0000,
0.0000

 92.4398, 123.0050,
112.5274

 118.7297,

155.1480, 143.8358

149.5840,
192.4530, 180.4714

■ 10.0921, 17.0229,
13.1098

■ 10.0921, 17.0229,
13.1098

■ 10.0923, 17.0234,
13.1095

■ 10.4326, 17.1789,
14.0269

■ 10.8775, 17.3874,
14.9928

■ 11.4843, 17.6783,
16.0111

■ 12.2716, 18.0612,
17.0834

■ 13.2554, 18.5444,
18.2110

■ 14.4498, 19.1352,
19.3950

■ 15.8676, 19.8401,
20.6368

■ 17.5207, 20.6653,
21.9372

■ 19.4200, 21.6162,
23.2975

Harmonies

Analogous

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



11.6278, 17.0229, 7.0226



10.0921, 17.0229, 13.1098



10.0108, 17.0229, 23.8428

Triad

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



10.0921, 17.0229, 13.1098



17.9401, 17.0229, 47.6296



22.1613, 17.0229, 7.4900

Complementary

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



10.0921, 17.0229, 13.1098



9.7105, 4.9657, 2.2813

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.



24.4717, 17.0229, 14.0799



10.0921, 17.0229, 13.1098



21.7873, 17.0229, 38.5432

Square

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



10.0921, 17.0229, 13.1098



14.1540, 17.0229, 47.0323



24.3249, 17.0229, 25.2821



18.3901, 17.0229, 4.7693

Rectangle

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



10.0921, 17.0229, 13.1098



10.7656, 17.0229, 32.7327



24.3249, 17.0229, 25.2821



23.1593, 17.0229, 9.1826

Sweetspot

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



10.0926, 17.0236, 13.1102



28.2234, 35.4330, 36.7958



8.9650, 16.6706, 2.7455



6.3488, 8.1390, 8.3776



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



10.0926, 17.0236, 13.1102



18.0034, 30.4567, 23.1113



9.1286, 11.7020, 23.2511



4.7456, 5.2565, 5.6714



9.9352, 16.7569, 12.9101



0.0376, 0.0593, 0.0615

Inverse Universe

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



9.7105, 4.9657, 2.2813



17.3283, 8.8676, 3.7668



9.7345, 5.5735, 0.5630



4.7240, 4.7093, 5.1591



9.5591, 4.8880, 2.2504



0.0360, 0.0181, 0.0228

Previews

White Background



This preview shows how the XYZ color 10.0921, 17.0229, 13.1098 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 10.0921, 17.0229, 13.1098 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 10.0921, 17.0229, 13.1098

Background



This preview shows how black text looks on a background with the XYZ color 10.0921, 17.0229, 13.1098.



This preview shows how white text looks on a background with the XYZ color 10.0921, 17.0229,

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

10.0921, 17.0229, 13.1098

Protanopia

15.6830, 16.8281, 11.0159

Deuteranopia

17.1406, 16.8590, 13.9060



Tritanopia

12.9435, 17.2348, 25.9370

Trichromacy



Original Color

10.0921, 17.0229, 13.1098

Protanomaly

11.6198, 15.7572, 11.6615

Deuteranomaly

12.1570, 15.6404, 13.4445

Tritanomaly

11.5882, 17.0413, 20.4478

Monochromacy



Original Color

10.0921, 17.0229, 13.1098

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

8.4267, 11.4796, 11.4445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0921, 17.0229, 13.1098 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(0, 131, 93)` looks like.

```
.text, #text, p{  
    color:rgb(0, 131, 93)  
}
```

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(0, 131, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 131, 93) }
```

Border

The CSS property to change the border of an element to XYZ 10.0921, 17.0229, 13.1098 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(0, 131, 93) }
```


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

```
.border{ border-color:rgb(0, 131, 93) }
```

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

Here you see how a box with a 4 pixel rgb(0, 131, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 131, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 131, 93);  
box-shadow:4px 4px 4px 4px rgb(0, 131, 93)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.0921, 17.0229, 13.1098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 131, 93) }
```

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

```
.background{ background-color: rgb(0, 131,  
93) }
```

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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