

Converting Colors

XYZ(6.4025, 10.1632, 10.2787)

Have a look what the booklet for
XYZ(6.4025, 10.1632, 10.2787)
contains.

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Color

**XYZ(6.3911, 10.1586,
10.2183)**

Conversions

Conversions Part 1

Format	Color
Hex	006655
RGB	0, 102, 85
RGB Percent	0%, 40%, 33%
CMY	1.0000, 0.6000, 0.6667
CMYK	1.00, 0.00, 0.17, 0.60
HSL	170°, 100%, 20%
HSV	170°, 100%, 40%
XYZ	6.3911, 10.1586, 10.2183
YIQ	69.5640, -55.3350, -26.9110

Conversions

Conversions Part 2

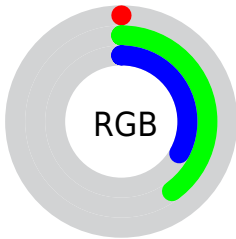
Format	Color
RYB	0, 56, 102
Decimal	26197
CIELab	38.13, -29.98, 2.43
CIELCh	38, 30.077, 175.361
Yxy	10.1586, 0.2388, 0.3795
Android (android.graphics.Color)	4278216277 (0xFF006655)
YUV	69.5640, 7.6099, -61.0076
Hunter-Lab	31.8726, -19.9841, 3.3025

Details

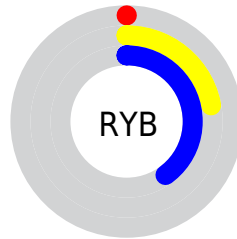
The XYZ color **6.3911, 10.1586, 10.2183** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **5.5811, 2.8656, 0.7898**, and the grayscale version is **5.7443, 6.0435, 6.5813**.

A 20% lighter version of the original color is **18.5273, 26.2001, 27.0023**, and **1.7022, 2.7915, 2.4566** is the 20% darker color. If you saturate the color by 10%, you get **6.3912, 10.1589, 10.2181**, and if you desaturate by 10%, it is **6.5874, 10.2522, 10.5846**.

Distribution



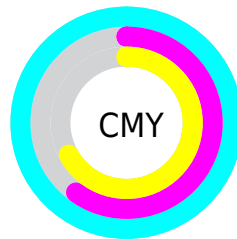
- Red (0%)
- Green (40%)
- Blue (33%)



- Red (0%)
- Yellow (22%)
- Blue (40%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (60%)





- Cyan (100%)
- Magenta (60%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 6.3911, 10.1586, 10.2183 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 6.3911, 10.1586, 10.2183 by changing the saturation by 10% instead.


 6.3911, 10.1586,
10.2183


 6.3911, 10.1586,
10.2183


157.1616,
191.8003, 202.7642


 3.1272, 5.5042,
5.4364

 18.4544, 26.0934,
26.8195


 1.2214, 2.5460,
2.4424


 27.9845, 38.1426,
39.4759

 0.1232, 0.8996,
0.8094

 40.3342, 53.4256,
55.5943


 0.0000, 0.0000,
0.0000


 55.8686, 72.3267,
75.5932


 74.9532, 95.2303,
99.8910


 97.9533, 122.5208,


128.9065


 125.2344,
154.5827, 163.0580

 6.3911, 10.1586,
10.2183


 6.3911, 10.1586,
10.2183


 6.3912, 10.1589,
10.2181

 6.5874, 10.2522,
10.5846

 6.8266, 10.3674,
10.9612

 7.1548, 10.5283,
11.3506

 7.5816, 10.7398,
11.7533

 8.1155, 11.0064,
12.1696

■ 8.7639, 11.3318,
12.6001

■ 9.5335, 11.7195,
13.0451

■ 10.4308, 12.1728,
13.5049

■ 11.4614, 12.6947,
13.9799

Harmonies

Analogous

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



6.8974, 10.1586, 6.0275



6.3911, 10.1586, 10.2183



6.6588, 10.1586, 16.3033

Triad

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



6.3911, 10.1586, 10.2183



11.3449, 10.1586, 23.8132



11.9374, 10.1586, 4.3888

Complementary

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



6.3911, 10.1586, 10.2183



5.5811, 2.8656, 0.7898

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.



13.4383, 10.1586, 7.0834



6.3911, 10.1586, 10.2183



13.0653, 10.1586, 18.3218

Square

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



6.3911, 10.1586, 10.2183



9.3565, 10.1586, 25.5121



13.8764, 10.1586, 11.9488



9.9607, 10.1586, 3.4588

Rectangle

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



6.3911, 10.1586, 10.2183



7.2620, 10.1586, 20.5496



13.8764, 10.1586, 11.9488



12.5242, 10.1586, 5.0628

Sweetspot

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



6.3914, 10.1590, 10.2185



16.5928, 20.4891, 22.8085



5.0145, 9.6386, 1.5965



3.8168, 4.7843, 5.3261



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

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



6.3914, 10.1590, 10.2185



11.1745, 17.8024, 17.7414



4.5702, 5.3029, 13.3534



2.8850, 3.1778, 3.4959



8.1962, 13.0421, 13.0608



42.4718, 67.9113, 66.6660

Inverse Universe

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



5.5811, 2.8656, 0.7898



9.7556, 5.0124, 1.2176



6.0046, 3.8746, 0.4317



2.8464, 2.8532, 3.0637



7.1560, 3.6754, 0.9541



37.0933, 19.0773, 3.7688

Previews

White Background



This preview shows how the XYZ color 6.3911, 10.1586, 10.2183 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 6.3911, 10.1586, 10.2183 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 6.3911, 10.1586, 10.2183

Background



This preview shows how black text looks on a background with the XYZ color 6.3911, 10.1586, 10.2183.



This preview shows how white text looks on a background with the XYZ color 6.3911, 10.1586, 10.2183.

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

6.3911, 10.1586, 10.2183

Protanopia

9.5636, 10.0745, 8.6482

Deuteranopia

10.3152, 10.1736, 10.6526



Tritanopia

7.6224, 10.2464, 15.4859

Trichromacy



Original Color

6.3911, 10.1586, 10.2183

Protanomaly

7.3514, 9.5601, 9.2424

Deuteranomaly

7.5973, 9.3992, 10.4306

Tritanomaly

7.0588, 10.1438, 13.3903

Monochromacy



Original Color

6.3911, 10.1586, 10.2183

Achromatopsia

5.8214, 6.1246, 6.6697

Achromatomaly

5.3695, 7.1005, 7.7441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 6.3911, 10.1586, 10.2183 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, 102, 85)` looks like.

```
.text, #text, p{  
    color:rgb(0, 102, 85)  
}
```

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, 102, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 102, 85) }
```

Border

The CSS property to change the border of an element to XYZ 6.3911, 10.1586, 10.2183 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, 102, 85) }
```


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

```
.border{ border-color:rgb(0, 102, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 102, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 102, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 102, 85);  
box-shadow:4px 4px 4px 4px rgb(0, 102, 85)  
}
```

Background

The CSS property to change the background color of an element to XYZ 6.3911, 10.1586, 10.2183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 102, 85) }
```

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

```
.background{ background-color: rgb(0, 102,  
85) }
```

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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