

Converting Colors

XYZ(5.2525, 8.5447, 12.3689)

Have a look what the booklet for
XYZ(5.2525, 8.5447, 12.3689)
contains.

XYZ(6.2035, 9.0289, 12.4821)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(6.2035, 9.0289,
12.4821)**

Conversions

Conversions Part 1

Format	Color
Hex	005F60
RGB	0, 95, 96
RGB Percent	0%, 37%, 38%
CMY	1.0000, 0.6274, 0.6235
CMYK	1.00, 0.01, 0.00, 0.62
HSL	181°, 100%, 19%
HSV	181°, 100%, 38%
XYZ	6.2035, 9.0289, 12.4821
YIQ	66.7090, -56.9410, -19.8290

Conversions

Conversions Part 2

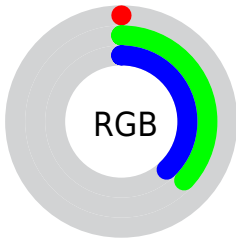
Format	Color
RYB	0, 48, 96
Decimal	24416
CIELab	36.04, -23.00, -7.43
CIELCh	36, 24.169, 197.910
Yxy	9.0289, 0.2238, 0.3258
Android (android.graphics.Color)	4278214496 (0xFF005F60)
YUV	66.7090, 14.4405, -58.5038
Hunter-Lab	30.0481, -15.7325, -3.5956

Details

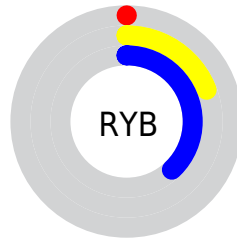
The XYZ color **6.2035, 9.0289, 12.4821** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4.8349, 2.5087, 0.2297**, and the grayscale version is **5.2741, 5.5488, 6.0426**.

A 20% lighter version of the original color is **18.0657, 23.9727, 30.8692**, and **1.6327, 2.3442, 3.3840** is the 20% darker color. If you saturate the color by 10%, you get **6.2037, 9.0292, 12.4823**, and if you desaturate by 10%, it is **6.3330, 9.1092, 12.4909**.

Distribution



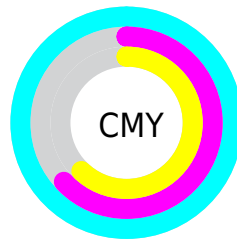
- Red (0%)
- Green (37%)
- Blue (38%)



- Red (0%)
- Yellow (19%)
- Blue (38%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (62%)



- Cyan (100%)
- Magenta (63%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 6.2035, 9.0289, 12.4821 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 6.2035, 9.0289, 12.4821 by changing the saturation by 10% instead.

6.2035, 9.0289,
12.4821

6.2035, 9.0289,
12.4821

155.5649,
183.5933, 218.6613

3.0110, 4.7600,
6.9464

18.0729, 23.9522,
31.0476

1.1596, 2.1072,
3.3507

27.4805, 35.3754,
44.9144

0.0741, 0.6687,
1.2764

39.6906, 49.9521,
62.3954

0.0000, 0.0000,
0.0423

55.0684, 68.0669,
83.9091

0.0000, 0.0000,
0.0000

73.9794, 90.1040,
109.8740

96.7889, 116.4478,

140.7086

123.8623,
147.4828, 176.8315

6.2035, 9.0289,
12.4821

6.2035, 9.0289,
12.4821

6.2037, 9.0292,
12.4823

6.3330, 9.1092,
12.4909

6.4943, 9.2058,
12.5011

6.7320, 9.3417,
12.5148

7.0543, 9.5213,
12.5325

7.4682, 9.7481,
12.5544

■ 7.9802, 10.0255,
12.5810

■ 8.5961, 10.3565,
12.6124

■ 9.3213, 10.7438,
12.6490

■ 10.1607, 11.1901,
12.6909

Harmonies

Analogous

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



6.1450, 9.0289, 8.2591



6.2035, 9.0289, 12.4821



6.8534, 9.0289, 16.9836

Triad

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



6.2035, 9.0289, 12.4821



10.8093, 9.0289, 16.1755



9.1759, 9.0289, 3.9291

Complementary

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



6.2035, 9.0289, 12.4821



4.8349, 2.5087, 0.2297

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.



10.5786, 9.0289, 5.0353



6.2035, 9.0289, 12.4821



11.5900, 9.0289, 11.5905

Square

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



6.2035, 9.0289, 12.4821



9.4634, 9.0289, 19.4937



11.5012, 9.0289, 7.5846



7.7566, 9.0289, 4.0435

Rectangle

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



6.2035, 9.0289, 12.4821



7.5802, 9.0289, 19.1826



11.5012, 9.0289, 7.5846



9.6677, 9.0289, 4.1541

Sweetspot

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



6.2038, 9.0292, 12.4823



14.9505, 18.0841, 22.0879



4.1831, 8.3659, 1.3946



3.6308, 4.4465, 5.4802



49.6657, 52.2522, 56.9026



4.8358, 5.0876, 5.5404

Same Dimension

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



6.2038, 9.0292, 12.4823



10.8622, 15.8069, 21.8638



3.1686, 2.9589, 11.4706



2.6380, 2.8906, 3.2642



8.6237, 12.5502, 17.3556



46.0271, 66.9603, 92.7034

Inverse Universe

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



6.8896, 3.3133, 11.1032



12.0661, 5.8026, 19.4367



5.8811, 4.6011, 0.5784



2.6681, 2.6282, 3.2064



9.5786, 4.6063, 15.4324



51.1494, 24.5992, 82.3297

Previews

White Background



This preview shows how the XYZ color 6.2035, 9.0289, 12.4821 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 ✓ Pass

Black Background



This preview shows how the XYZ color 6.2035, 9.0289, 12.4821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

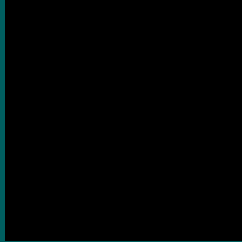
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 6.2035, 9.0289, 12.4821

Background



This preview shows how black text looks on a background with the XYZ color 6.2035, 9.0289, 12.4821.



This preview shows how white text looks on a background with the XYZ color 6.2035, 9.0289,

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

6.2035, 9.0289, 12.4821

Protanopia

8.7198, 8.9932, 10.7275

Deuteranopia

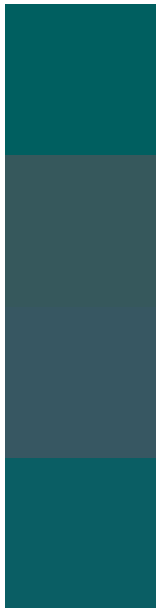
9.1831, 9.0658, 13.0703



Tritanopia

6.6147, 9.0749, 13.9734

Trichromacy



Original Color

6.2035, 9.0289, 12.4821

Protanomaly

6.9428, 8.5364, 11.4070

Deuteranomaly

7.1883, 8.5105, 12.8191

Tritanomaly

6.4281, 8.9900, 13.4530

Monochromacy



Original Color

6.2035, 9.0289, 12.4821

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

5.0253, 6.3714, 8.1727

CSS Examples

Text

The CSS property to change the color of the text to XYZ 6.2035, 9.0289, 12.4821 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, 95, 96)` looks like.

```
.text, #text, p{  
    color:rgb(0, 95, 96)  
}
```

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, 95, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 95, 96) }
```

Border

The CSS property to change the border of an element to XYZ 6.2035, 9.0289, 12.4821 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, 95, 96) }
```


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

```
.border{ border-color:rgb(0, 95, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 95, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 95, 96); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 95, 96); box-shadow:4px  
4px 4px 4px rgb(0, 95, 96) }
```

Background

The CSS property to change the background color of an element to XYZ 6.2035, 9.0289, 12.4821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 95, 96) }
```

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

```
.background{ background-color: rgb(0, 95,  
96) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor