

Converting Colors

XYZ(6.4462, 9.4199, 12.7870)

Have a look what the booklet for
XYZ(6.4462, 9.4199, 12.7870)
contains.

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Color

**XYZ(6.4449, 9.4189,
12.7876)**

Conversions

Conversions Part 1

Format	Color
Hex	016161
RGB	1, 97, 97
RGB Percent	0%, 38%, 38%
CMY	0.9960, 0.6196, 0.6196
CMYK	0.99, 0.00, 0.00, 0.62
HSL	180°, 98%, 19%
HSV	180°, 99%, 38%
XYZ	6.4449, 9.4189, 12.7876
YIQ	68.2960, -57.2160, -20.3520

Conversions

Conversions Part 2

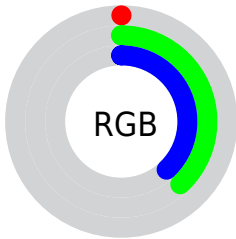
Format	Color
R_{YB}	1, 49, 97
Decimal	90465
CIE _{Lab}	36.78, -23.60, -6.95
CIE _{LCh}	37, 24.605, 196.396
Yxy	9.4189, 0.2249, 0.3287
Android (android.graphics.Color)	4278280545 (0xFF016161)
YUV	68.2960, 14.1511, -59.0186
Hunter-Lab	30.6902, -16.2232, -3.2210

Details

The XYZ color **6.4449, 9.4189, 12.7876** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4.9464, 2.5656, 0.2636**, and the grayscale version is **5.5273, 5.8152, 6.3327**.

A 20% lighter version of the original color is **18.6077, 24.6956, 31.8030**, and **1.7381, 2.5202, 3.5268** is the 20% darker color. If you saturate the color by 10%, you get **6.4325, 9.4127, 12.7872**, and if you desaturate by 10%, it is **6.5668, 9.4819, 12.7935**.

Distribution



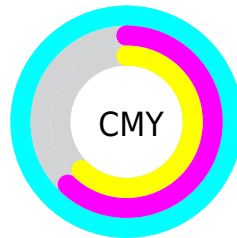
- Red (0%)
- Green (38%)
- Blue (38%)



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



- Cyan (99%)
- Magenta (0%)
- Yellow (0%)
- Black (62%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 6.4449, 9.4189, 12.7876 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 6.4449, 9.4189, 12.7876 by changing the saturation by 10% instead.

6.4449, 9.4189,
12.7876

6.4449, 9.4189,
12.7876

157.6157,
186.4728, 220.7117

3.1607, 5.0154,
7.1534

18.5634, 24.6966,
31.6072

1.2393, 2.2563,
3.4784

28.1284, 36.3396,
45.6298

0.1371, 0.7504,
1.3438

40.5176, 51.1646,
63.2856

0.0000, 0.0000,
0.0973

56.0966, 69.5560,
84.9931

0.0000, 0.0000,
0.0000

75.2305, 91.8981,
111.1710

98.2847, 118.5753,

142.2377

125.6247,
149.9721, 178.6117

6.4449, 9.4189,
12.7876

6.4449, 9.4189,
12.7876

6.4325, 9.4127,
12.7872

6.5668, 9.4819,
12.7935

6.7295, 9.5658,
12.8012

6.9712, 9.6904,
12.8125

7.3003, 9.8601,
12.8279

7.7240, 10.0785,
12.8478

■ 8.2488, 10.3490,
12.8723

■ 8.8806, 10.6748,
12.9019

■ 9.6249, 11.0584,
12.9368

■ 10.4868, 11.5028,
12.9771

Harmonies

Analogous

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



6.4155, 9.4189, 8.4207



6.4449, 9.4189, 12.7876



7.0948, 9.4189, 17.5360

Triad

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



6.4449, 9.4189, 12.7876



11.2248, 9.4189, 17.1293



9.6531, 9.4189, 4.1088

Complementary

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



6.4449, 9.4189, 12.7876



4.9464, 2.5656, 0.2636

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.



11.1088, 9.4189, 5.3341



6.4449, 9.4189, 12.7876



12.0828, 9.4189, 12.3394

Square

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



6.4449, 9.4189, 12.7876



9.7976, 9.4189, 20.4853



12.0381, 9.4189, 8.0820



8.1572, 9.4189, 4.1661

Rectangle

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



6.4449, 9.4189, 12.7876



7.8389, 9.4189, 19.9232



12.0381, 9.4189, 8.0820



10.1666, 9.4189, 4.3654

Sweetspot

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



6.4452, 9.4192, 12.7878



14.9998, 18.1827, 22.1042



4.3131, 8.5687, 1.4557



3.6441, 4.4733, 5.4846



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.



6.4452, 9.4192, 12.7878



11.0257, 16.1339, 21.9180



3.3371, 3.2030, 11.7520



2.6401, 2.8948, 3.2648



8.7520, 12.8068, 17.3981



46.7552, 68.4170, 92.9448

Inverse Universe

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



4.9464, 2.5656, 0.2636



8.4502, 4.3562, 0.3955



5.9683, 4.6094, 0.6042



2.5735, 2.5903, 2.7085



6.7076, 3.4579, 0.3139



35.8334, 18.4728, 1.6770

Previews

White Background



This preview shows how the XYZ color 6.4449, 9.4189, 12.7876 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 6.4449, 9.4189, 12.7876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

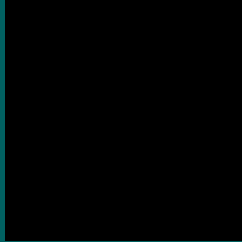
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 6.4449, 9.4189, 12.7876

Background



This preview shows how black text looks on a background with the XYZ color 6.4449, 9.4189, 12.7876.



This preview shows how white text looks on a background with the XYZ color 6.4449, 9.4189,

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

6.4449, 9.4189, 12.7876

Protanopia

9.1037, 9.4200, 11.0113

Deuteranopia

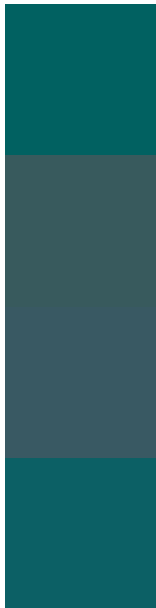
9.5904, 9.3846, 13.3625



Tritanopia

6.9310, 9.4938, 14.5639

Trichromacy



Original Color

6.4449, 9.4189, 12.7876

Protanomaly

7.2628, 8.9434, 11.6994

Deuteranomaly

7.5119, 8.9155, 13.1293

Tritanomaly

6.6835, 9.3835, 13.7709

Monochromacy



Original Color

6.4449, 9.4189, 12.7876

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

5.2460, 6.6920, 8.4123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 6.4449, 9.4189, 12.7876 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(1, 97, 97)` looks like.

```
.text, #text, p{  
    color:rgb(1, 97, 97)  
}
```

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(1, 97, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 97, 97) }
```

Border

The CSS property to change the border of an element to XYZ 6.4449, 9.4189, 12.7876 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(1, 97, 97) }
```


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

```
.border{ border-color:rgb(1, 97, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 97, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 97, 97); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 97, 97); box-shadow:4px  
4px 4px 4px rgb(1, 97, 97) }
```

Background

The CSS property to change the background color of an element to XYZ 6.4449, 9.4189, 12.7876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 97, 97) }
```

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

```
.background{ background-color: rgb(1, 97,  
97) }
```

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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