

Converting Colors

XYZ(4.7137, 10.1853, 10.1418)

Have a look what the booklet for
XYZ(4.7137, 10.1853, 10.1418)
contains.

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Color

**XYZ(6.9628, 11.3652,
10.2142)**

Conversions

Conversions Part 1

Format	Color
Hex	006C54
RGB	0, 108, 84
RGB Percent	0%, 42%, 33%
CMY	1.0000, 0.5765, 0.6706
CMYK	1.00, 0.00, 0.22, 0.58
HSL	167°, 100%, 21%
HSV	167°, 100%, 42%
XYZ	6.9628, 11.3652, 10.2142
YIQ	72.9720, -56.6640, -30.3600

Conversions

Conversions Part 2

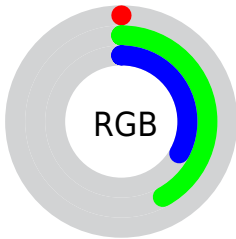
Format	Color
RYB	0, 61, 108
Decimal	27732
CIELab	40.19, -32.98, 6.00
CIELCh	40, 33.524, 169.686
Yxy	11.3652, 0.2439, 0.3982
Android (android.graphics.Color)	4278217812 (0xFF006C54)
YUV	72.9720, 5.4368, -63.9964
Hunter-Lab	33.7123, -22.1299, 5.6349

Details

The XYZ color **6.9628, 11.3652, 10.2142** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **6.3496, 3.2544, 1.1582**, and the grayscale version is **6.3265, 6.6559, 7.2483**.

A 20% lighter version of the original color is **19.6215, 28.2793, 26.9785**, and **1.9302, 3.2744, 2.4497** is the 20% darker color. If you saturate the color by 10%, you get **6.9629, 11.3656, 10.2141**, and if you desaturate by 10%, it is **7.1942, 11.4737, 10.7245**.

Distribution



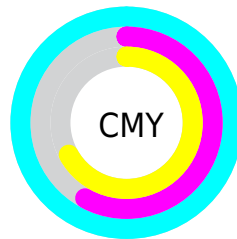
- Red (0%)
- Green (42%)
- Blue (33%)



- Red (0%)
- Yellow (24%)
- Blue (42%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (58%)



- Cyan (100%)
- Magenta (58%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 6.9628, 11.3652, 10.2142 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 6.9628, 11.3652, 10.2142 by changing the saturation by 10% instead.

■ 6.9628, 11.3652,
10.2142

■ 6.9628, 11.3652,
10.2142

161.9057,
200.1562, 202.7341

■ 3.4850, 6.3130,
5.4338

■ 19.6038, 28.3335,
26.8117

■ 1.4151, 3.0363,
2.4408

■ 29.4977, 41.0185,
39.4658

■ 0.2670, 1.1507,
0.8085

■ 42.2609, 57.0165,
55.5816

■ 0.0000, 0.0209,
0.0000


■ 58.2590, 76.7120,
75.5776


■ 0.0000, 0.0000,
0.0000


■ 77.8571, 100.4893,
99.8723


■ 101.4207,


128.7328, 128.8843


 129.3151,
161.8270, 163.0320


 6.9628, 11.3652,
10.2142


 6.9628, 11.3652,
10.2142


 6.9629, 11.3656,
10.2141

 7.1942, 11.4737,
10.7245

 7.4799, 11.6096,
11.2542

 7.8682, 11.7980,
11.8057

 8.3704, 12.0446,
12.3799

 8.9960, 12.3546,
12.9774

■ 9.7538, 12.7323,
13.5987

■ 10.6516, 13.1818,
14.2442

■ 11.6967, 13.7068,
14.9147

■ 12.8959, 14.3108,
15.6103

Harmonies

Analogous

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



7.7302, 11.3652, 5.7852



6.9628, 11.3652, 10.2142



7.1053, 11.3652, 17.2264

Triad

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



6.9628, 11.3652, 10.2142



12.3849, 11.3652, 28.8397



13.9721, 11.3652, 4.9365

Complementary

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



6.9628, 11.3652, 10.2142



6.3496, 3.2544, 1.1582

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.



15.6001, 11.3652, 8.5321



6.9628, 11.3652, 10.2142



14.5963, 11.3652, 22.6860

Square

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



6.9628, 11.3652, 10.2142



10.0189, 11.3652, 29.8051



15.8437, 11.3652, 14.8204



11.6255, 11.3652, 3.5504

Rectangle

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



6.9628, 11.3652, 10.2142



7.7049, 11.3652, 22.5247



15.8437, 11.3652, 14.8204



14.6350, 11.3652, 5.8505

Sweetspot

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



6.9631, 11.3656, 10.2145



18.5605, 23.0717, 24.9119



5.7688, 10.9348, 1.8068



4.3660, 5.5210, 5.9416



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



6.9631, 11.3656, 10.2145



12.1793, 19.9352, 17.6966



5.5177, 6.7042, 15.1911



3.1544, 3.4810, 3.7971



8.2946, 13.5519, 12.1284



41.9294, 68.9188, 60.0343

Inverse Universe

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



6.3496, 3.2544, 1.1582



11.1070, 5.6970, 1.8223



6.6192, 4.0576, 0.4346



3.1248, 3.1268, 3.3874



7.5637, 3.8776, 1.3311



38.2619, 19.6467, 5.3157

Previews

White Background



This preview shows how the XYZ color 6.9628, 11.3652, 10.2142 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 6.9628, 11.3652, 10.2142 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 6.9628, 11.3652, 10.2142

Background



This preview shows how black text looks on a background with the XYZ color 6.9628, 11.3652, 10.2142.



This preview shows how white text looks on a background with the XYZ color 6.9628, 11.3652,

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

6.9628, 11.3652, 10.2142

Protanopia

10.5978, 11.2506, 8.6342

Deuteranopia

11.4464, 11.2509, 10.8009



Tritanopia

8.5906, 11.4330, 17.3768

Trichromacy



Original Color

6.9628, 11.3652, 10.2142

Protanomaly

8.0242, 10.5929, 9.2111

Deuteranomaly

8.3097, 10.4308, 10.5922

Tritanomaly

7.7807, 11.2330, 14.3285

Monochromacy



Original Color

6.9628, 11.3652, 10.2142

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

5.7941, 7.7722, 8.2160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 6.9628, 11.3652, 10.2142 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, 108, 84)` looks like.

```
.text, #text, p{  
    color:rgb(0, 108, 84)  
}
```

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, 108, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 108, 84) }
```

Border

The CSS property to change the border of an element to XYZ 6.9628, 11.3652, 10.2142 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, 108, 84) }
```


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

```
.border{ border-color:rgb(0, 108, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 108, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 108, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 108, 84);  
box-shadow:4px 4px 4px 4px rgb(0, 108, 84)  
}
```

Background

The CSS property to change the background color of an element to XYZ 6.9628, 11.3652, 10.2142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 108, 84) }
```

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

```
.background{ background-color: rgb(0, 108,  
84) }
```

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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