

Converting Colors

XYZ(8.6631, 13.7168, 13.2953)

Have a look what the booklet for
XYZ(8.6631, 13.7168, 13.2953)
contains.

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Color

**XYZ(8.6242, 13.6453,
13.2456)**

Conversions

Conversions Part 1

Format	Color
Hex	0C7560
RGB	12, 117, 96
RGB Percent	5%, 46%, 38%
CMY	0.9529, 0.5412, 0.6235
CMYK	0.90, 0.00, 0.18, 0.54
HSL	168°, 81%, 25%
HSV	168°, 90%, 46%
XYZ	8.6242, 13.6453, 13.2456
YIQ	83.2110, -55.8390, -28.7910

Conversions

Conversions Part 2

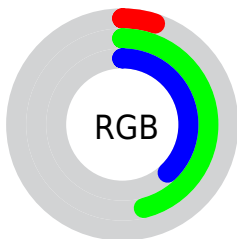
Format	Color
RYB	12, 70, 117
Decimal	816480
CIELab	43.72, -32.73, 3.87
CIElCh	44, 32.961, 173.263
Yxy	13.6453, 0.2428, 0.3842
Android (android.graphics.Color)	4279006560 (0xFF0C7560)
YUV	83.2110, 6.3050, -62.4520
Hunter-Lab	36.9395, -22.9702, 4.5978

Details

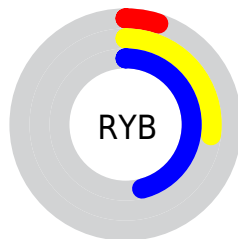
The XYZ color **8.6242, 13.6453, 13.2456** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.7425, 4.1549, 1.8331**, and the grayscale version is **8.2611, 8.6913, 9.4648**.

A 20% lighter version of the original color is **22.8713, 32.5302, 32.2677**, and **2.6428, 4.3645, 3.7208** is the 20% darker color. If you saturate the color by 10%, you get **8.3705, 13.5271, 12.6799**, and if you desaturate by 10%, it is **8.9520, 13.8020, 13.8322**.

Distribution



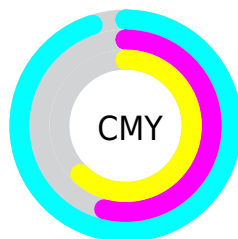
- Red (5%)
- Green (46%)
- Blue (38%)



- Red (5%)
- Yellow (27%)
- Blue (46%)



- Cyan (90%)
- Magenta (0%)
- Yellow (18%)
- Black (54%)



- Cyan (95%)
- Magenta (54%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.6242, 13.6453, 13.2456 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 8.6242, 13.6453, 13.2456 by changing the saturation by 10% instead.

8.6242, 13.6453,
13.2456

8.6242, 13.6453,
13.2456

174.8163,
215.0129, 223.7486

4.5520, 7.8744,
7.4652

22.8472, 32.4583,
32.4419

2.0189, 4.0147,
3.6719

33.7288, 46.2692,
46.6949

0.6446, 1.6818,
1.4471

47.6109, 63.5289,
64.6092

0.0000, 0.4118,
0.1781

64.8588, 84.6218,
86.6033

0.0000, 0.0000,
0.0000

85.8379, 109.9322,
113.0957

110.9137,

139.8446, 144.5051

140.4513,
174.7434, 181.2498

■ 8.6242, 13.6453,
13.2456

■ 8.6242, 13.6453,
13.2456

■ 8.3705, 13.5271,
12.6799

■ 8.9520, 13.8020,
13.8322

■ 8.3640, 13.5241,
12.6654

■ 9.4019, 14.0209,
14.4410

■ 9.9879, 14.3096,
15.0733

■ 10.7221, 14.6743,
15.7296

■ 11.6148, 15.1204,
16.4107

■ 12.6758, 15.6528,
17.1171

■ 13.9139, 16.2762,
17.8494

■ 15.3372, 16.9946,
18.6080

■ 16.9534, 17.8120,
19.3935

Harmonies

Analogous

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



9.3725, 13.6453, 7.8527



8.6242, 13.6453, 13.2456



8.9097, 13.6453, 21.2353

Triad

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



8.6242, 13.6453, 13.2456



15.0383, 13.6453, 32.1990



16.1836, 13.6453, 6.1054

Complementary

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



8.6242, 13.6453, 13.2456



7.7425, 4.1549, 1.8331

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.



18.1061, 13.6453, 9.9045



8.6242, 13.6453, 13.2456



17.3858, 13.6453, 25.1305

Square

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



8.6242, 13.6453, 13.2456



12.3937, 13.6453, 34.0096



18.5731, 13.6453, 16.5949



13.5627, 13.6453, 4.7148

Rectangle

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



8.6242, 13.6453, 13.2456



9.6692, 13.6453, 26.9386



18.5731, 13.6453, 16.5949



16.9464, 13.6453, 7.0670

Sweetspot

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



8.6246, 13.6458, 13.2459



23.1245, 28.2432, 30.9147



7.1127, 13.1027, 2.5021



5.1930, 6.4314, 7.0310



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



8.6246, 13.6458, 13.2459



14.9288, 24.1975, 22.4256



6.7914, 8.2200, 18.0590



3.7534, 4.1433, 4.5355



9.2095, 14.8978, 13.9252



44.5701, 72.4753, 66.2325

Inverse Universe

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



7.7425, 4.1549, 1.8331



13.3790, 6.8691, 1.8897



8.2220, 5.4471, 0.9660



3.7111, 3.7117, 4.0057



8.2527, 4.2348, 1.2731



39.9639, 20.5357, 4.8732

Previews

White Background



This preview shows how the XYZ color 8.6242, 13.6453, 13.2456 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 8.6242, 13.6453, 13.2456 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 8.6242, 13.6453, 13.2456

Background



This preview shows how black text looks on a background with the XYZ color 8.6242, 13.6453, 13.2456.



This preview shows how white text looks on a background with the XYZ color 8.6242, 13.6453,

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

8.6242, 13.6453, 13.2456

Protanopia

12.8378, 13.6099, 11.4015

Deuteranopia

13.7015, 13.4212, 13.9250



Tritanopia

10.2078, 13.6154, 20.8289

Trichromacy



Original Color

8.6242, 13.6453, 13.2456

Protanomaly

10.0420, 12.9143, 12.0887

Deuteranomaly

10.4667, 12.7867, 13.7208

Tritanomaly

9.4499, 13.4599, 17.7227

Monochromacy



Original Color

8.6242, 13.6453, 13.2456

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

7.5410, 9.7589, 10.7187

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.6242, 13.6453, 13.2456 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(12, 117, 96)` looks like.

```
.text, #text, p{  
    color:rgb(12, 117, 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(12, 117, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 117, 96) }
```

Border

The CSS property to change the border of an element to XYZ 8.6242, 13.6453, 13.2456 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(12, 117, 96) }
```


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

```
.border{ border-color:rgb(12, 117, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 117, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 117, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 117, 96);  
box-shadow:4px 4px 4px 4px rgb(12, 117,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 8.6242, 13.6453, 13.2456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 117, 96) }
```

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

```
.background{ background-color: rgb(12, 117,  
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](#).

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