

Converting Colors

XYZ(7.6135, 10.7617, 10.7106)

Have a look what the booklet for
XYZ(7.6135, 10.7617, 10.7106)
contains.

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Color

**XYZ(7.6440, 10.7952,
10.6976)**

Conversions

Conversions Part 1

Format	Color
Hex	2F6657
RGB	47, 102, 87
RGB Percent	18%, 40%, 34%
CMY	0.8157, 0.6000, 0.6588
CMYK	0.54, 0.00, 0.15, 0.60
HSL	164°, 37%, 29%
HSV	164°, 54%, 40%
XYZ	7.6440, 10.7952, 10.6976
YIQ	83.8450, -27.9650, -16.3250

Conversions

Conversions Part 2

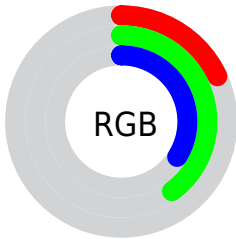
Format	Color
R_{YB}	47, 79, 102
Decimal	3106391
CIE Lab	39.23, -22.25, 2.94
CIE LCh	39, 22.446, 172.465
Yxy	10.7952, 0.2623, 0.3705
Android (android.graphics.Color)	4281296471 (0xFF2F6657)
YUV	83.8450, 1.5554, -32.3131
Hunter-Lab	32.8560, -15.9698, 3.6950

Details

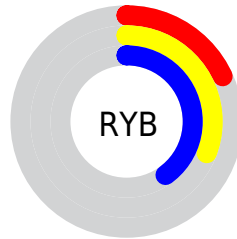
The XYZ color **7.6440, 10.7952, 10.6976** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.3659, 5.2060, 5.1746**, and the grayscale version is **8.3962, 8.8335, 9.6197**.

A 20% lighter version of the original color is **20.9436, 27.1853, 27.8104**, and **1.7841, 2.8995, 2.6561** is the 20% darker color. If you saturate the color by 10%, you get **7.1162, 10.5363, 10.0911**, and if you desaturate by 10%, it is **8.2867, 11.1134, 11.3328**.

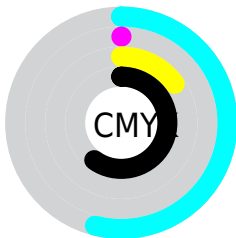
Distribution



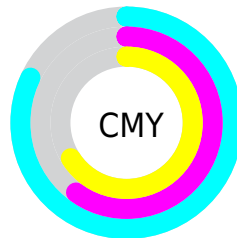
- Red (18%)
- Green (40%)
- Blue (34%)



- Red (18%)
- Yellow (31%)
- Blue (40%)



- Cyan (54%)
- Magenta (0%)
- Yellow (15%)
- Black (60%)





- Cyan (82%)
- Magenta (60%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 7.6440, 10.7952, 10.6976 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 7.6440, 10.7952, 10.6976 by changing the saturation by 10% instead.


 7.6440, 10.7952,
10.6976


 7.6440, 10.7952,
10.6976


167.3433,
196.2571, 206.2434

 3.9179, 5.9293,
5.7523

 20.9497, 27.2808,
27.7277


 1.6558, 2.8021,
2.6287


 31.2600, 39.6693,
40.6495

 0.4284, 1.0293,
0.9072

 44.4957, 55.3342,
57.0672

 0.0000, 0.0000,
0.0000

 61.0222, 74.6597,
77.3994

 81.2049, 98.0304,
102.0645

 105.4090,

125.8306, 131.4812

134.0000,
158.4447, 166.0680

■ 7.6440, 10.7952,
10.6976

■ 7.6440, 10.7952,
10.6976

■ 7.1162, 10.5363,
10.0911

■ 8.2867, 11.1134,
11.3328

■ 6.6947, 10.3314,
9.5120

■ 9.0506, 11.4933,
11.9966

■ 6.3709, 10.1763,
8.9598

■ 9.9424, 11.9386,
12.6897

■ 6.1292, 10.0631,
8.4336

■ 10.9682, 12.4525,
13.4128

■ 5.9937, 9.9999,
8.1248

■ 12.1336, 13.0378,
14.1662

■ 13.4439, 13.6973,
14.9505

■ 14.9041, 14.4335,
15.7661

■ 16.5190, 15.2490,
16.6135

■ 18.2933, 16.1460,
17.4932

Harmonies

Analogous

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



8.1270, 10.7952, 7.3828



7.6440, 10.7952, 10.6976



7.8055, 10.7952, 15.2247

Triad

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



7.6440, 10.7952, 10.6976



11.4099, 10.7952, 21.2292



12.1321, 10.7952, 6.3185

Complementary

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



7.6440, 10.7952, 10.6976



7.3659, 5.2060, 5.1746

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.



13.1828, 10.7952, 8.8556



7.6440, 10.7952, 10.6976



12.7382, 10.7952, 17.5798

Square

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



7.6440, 10.7952, 10.6976



9.8846, 10.7952, 22.0691



13.4148, 10.7952, 12.8780



10.6458, 10.7952, 5.2899

Rectangle

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



7.6440, 10.7952, 10.6976



8.2651, 10.7952, 18.3058



13.4148, 10.7952, 12.8780



12.5537, 10.7952, 6.9884

Sweetspot

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



7.6443, 10.7956, 10.6978



18.7554, 21.5976, 23.1952



7.2882, 10.7515, 4.3808



4.3646, 5.0650, 5.4303



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.



7.6443, 10.7956, 10.6978



12.2434, 18.3622, 17.3928



7.2342, 8.8905, 13.9056



2.8734, 3.1731, 3.4346



7.6811, 12.8361, 10.3481



39.6805, 66.7947, 51.9669

Inverse Universe

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



7.3659, 5.2060, 5.1746



11.7058, 7.3814, 6.5887



7.5527, 6.1498, 3.4786



2.8573, 2.8576, 3.1212



7.2887, 3.7284, 1.6525



37.6894, 19.3157, 6.9076

Previews

White Background



This preview shows how the XYZ color 7.6440, 10.7952, 10.6976 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 7.6440, 10.7952, 10.6976 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

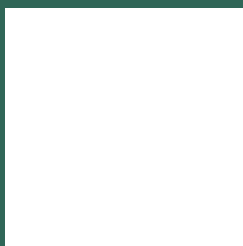
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 7.6440, 10.7952, 10.6976

Background



This preview shows how black text looks on a background with the XYZ color 7.6440, 10.7952, 10.6976.

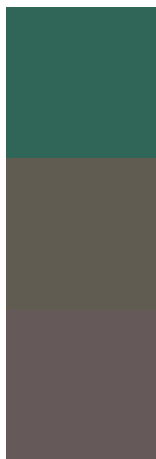


This preview shows how white text looks on a background with the XYZ color 7.6440, 10.7952,

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

7.6440, 10.7952, 10.6976

Protanopia

10.1740, 10.7503, 9.5214

Deuteranopia

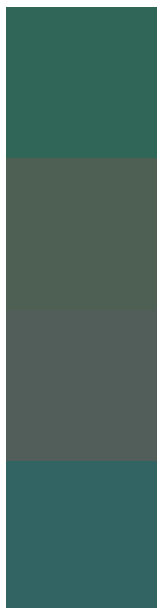
10.8973, 10.7077, 11.1653



Tritanopia

8.6370, 10.7695, 15.5334

Trichromacy



Original Color

7.6440, 10.7952, 10.6976

Protanomaly

8.9250, 10.6255, 9.9680

Deuteranomaly

9.2856, 10.5205, 10.9925

Tritanomaly

8.2227, 10.7383, 13.6959

Monochromacy



Original Color

7.6440, 10.7952, 10.6976

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

7.9793, 9.4776, 10.0031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.6440, 10.7952, 10.6976 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(47, 102, 87)` looks like.

```
.text, #text, p{  
    color:rgb(47, 102, 87)  
}
```

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(47, 102, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 102, 87) }
```

Border

The CSS property to change the border of an element to XYZ 7.6440, 10.7952, 10.6976 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(47, 102, 87) }
```


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

```
.border{ border-color:rgb(47, 102, 87) }
```

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

Here you see how a box with a 4 pixel rgb(47, 102, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 102, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 102, 87);  
box-shadow:4px 4px 4px 4px rgb(47, 102,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 7.6440, 10.7952, 10.6976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 102, 87) }
```

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

```
.background{ background-color: rgb(47, 102,  
87) }
```

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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