

Converting Colors

XYZ(12.5640, 15.6665, 21.7638)

Have a look what the booklet for
XYZ(12.5640, 15.6665, 21.7638)
contains.

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Color

**XYZ(12.5640, 15.6665,
21.7638)**

Conversions

Conversions Part 1

Format	Color
Hex	44767D
RGB	68, 118, 125
RGB Percent	27%, 46%, 49%
CMY	0.7333, 0.5372, 0.5098
CMYK	0.46, 0.06, 0.00, 0.51
HSL	187°, 30%, 38%
HSV	187°, 46%, 49%
XYZ	12.5640, 15.6665, 21.7638
YIQ	103.8480, -32.0470, -8.4230

Conversions

Conversions Part 2

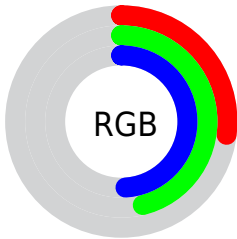
Format	Color
RYB	68, 95, 125
Decimal	4486781
CIELab	46.53, -14.84, -9.12
CIElCh	47, 17.419, 211.575
Yxy	15.6665, 0.2513, 0.3134
Android (android.graphics.Color)	4282676861 (0xFF44767D)
YUV	103.8480, 10.4279, -31.4387
Hunter-Lab	39.5809, -12.6062, -4.8943

Details

The XYZ color **12.5640, 15.6665, 21.7638** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.0172, 9.8097, 6.7293**, and the grayscale version is **13.0970, 13.7791, 15.0054**.

A 20% lighter version of the original color is **30.1563, 35.9569, 47.4704**, and **3.6606, 4.9877, 7.6073** is the 20% darker color. If you saturate the color by 10%, you get **11.6043, 14.9060, 21.6679**, and if you desaturate by 10%, it is **13.7135, 16.5300, 21.8702**.

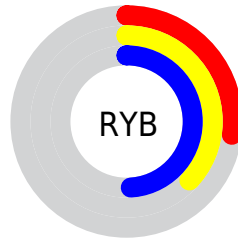
Distribution



Red (27%)

Green (46%)

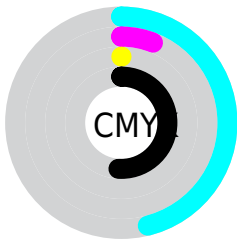
Blue (49%)



Red (27%)

Yellow (37%)

Blue (49%)

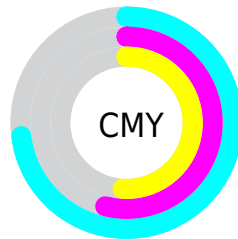


Cyan (46%)

Magenta (6%)

Yellow (0%)

Black (51%)



Cyan (73%)

Magenta (54%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5640, 15.6665, 21.7638 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 12.5640, 15.6665, 21.7638 by changing the saturation by 10% instead.

12.5640, 15.6665,
21.7638

12.5640, 15.6665,
21.7638

201.7988,
227.3657, 274.2234

7.2039, 9.2885,
13.4868

30.1263, 36.0183,
47.2525

3.6374, 4.9298,
7.6299

43.0592, 50.7608,
65.3012

1.4991, 2.2061,
3.7747

59.2471, 69.0602,
87.4443

0.3252, 0.7233,
1.5026

79.0553, 91.3011,
114.1002

0.0000, 0.0000,
0.2199

102.8492,
117.8676, 145.6876

0.0000, 0.0000,
0.0000

130.9942,

149.1443, 182.6249

163.8556,
185.5155, 225.3306

■ 12.5640, 15.6665,
21.7638

■ 12.5640, 15.6665,
21.7638

■ 11.6043, 14.9060,
21.6679

■ 13.7135, 16.5300,
21.8702

■ 10.8211, 14.2404,
21.5807

■ 15.0623, 17.5002,
21.9863

■ 10.2015, 13.6635,
21.5020

■ 16.6209, 18.5830,
22.1132

■ 9.7303, 13.1674,
21.4311

■ 18.3987, 19.7832,
22.2512

■ 9.3820, 12.7390,
21.3667

■ 20.4045, 21.1055,
22.4007

■ 9.2402, 12.5577,
21.3392

■ 22.6466, 22.5540,
22.5621

■ 25.1329, 24.1328,
22.7358

■ 27.8709, 25.8460,
22.9221

■ 30.8678, 27.6971,
23.1215

Harmonies

Analogous

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



12.1872, 15.6665, 17.2864



12.5640, 15.6665, 21.7638



13.5582, 15.6665, 25.4111

Triad

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



12.5640, 15.6665, 21.7638



17.5764, 15.6665, 21.3041



14.8113, 15.6665, 10.0564

Complementary

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



12.5640, 15.6665, 21.7638



12.0172, 9.8097, 6.7293

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.



16.3074, 15.6665, 10.7713



12.5640, 15.6665, 21.7638



17.9667, 15.6665, 16.8319

Square

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



12.5640, 15.6665, 21.7638



16.4539, 15.6665, 25.1159



17.4879, 15.6665, 13.0849



13.4295, 15.6665, 10.9395

Rectangle

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



12.5640, 15.6665, 21.7638



14.4716, 15.6665, 26.6133



17.4879, 15.6665, 13.0849



15.3175, 15.6665, 10.1171

Sweetspot

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



12.5645, 15.6671, 21.7642



30.1428, 33.5362, 39.6288



10.9759, 16.3997, 9.1813



6.7339, 7.5445, 9.0044



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.5645, 15.6671, 21.7642



20.6672, 26.5998, 38.7894



9.7295, 9.9971, 20.8192



4.4028, 4.7996, 5.5076



9.6405, 13.0995, 22.2703



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.7950, 9.8026, 18.3053



23.2389, 14.9036, 31.4344



14.3664, 14.5081, 7.5124



4.4762, 4.4036, 5.3119



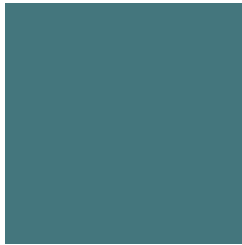
11.7430, 5.7169, 15.7685



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.5640, 15.6665, 21.7638 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 12.5640, 15.6665, 21.7638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

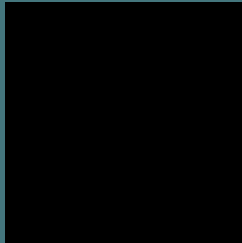
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5640, 15.6665, 21.7638

Background



This preview shows how black text looks on a background with the XYZ color 12.5640, 15.6665, 21.7638.



This preview shows how white text looks on a background with the XYZ color 12.5640, 15.6665,

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

12.5640, 15.6665, 21.7638

Protanopia

15.1051, 15.5204, 19.6524

Deuteranopia

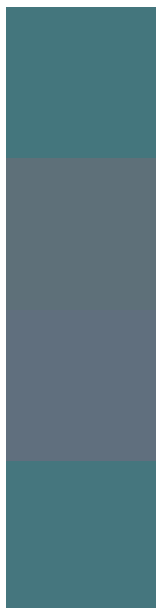
15.7706, 15.4924, 22.2378



Tritanopia

12.7634, 15.7544, 22.4469

Trichromacy



Original Color

12.5640, 15.6665, 21.7638

Protanomaly

13.8615, 15.3485, 20.3211

Deuteranomaly

14.2742, 15.3620, 21.9515

Tritanomaly

12.6986, 15.7284, 22.1053

Monochromacy



Original Color

12.5640, 15.6665, 21.7638

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.7077, 14.3313, 17.4257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5640, 15.6665, 21.7638 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(68, 118, 125)` looks like.

```
.text, #text, p{  
    color:rgb(68, 118, 125)  
}
```

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(68, 118, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 118, 125) }
```

Border

The CSS property to change the border of an element to XYZ 12.5640, 15.6665, 21.7638 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(68, 118, 125) }
```


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

```
.border{ border-color:rgb(68, 118, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 118, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 118, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 118, 125);  
box-shadow:4px 4px 4px 4px rgb(68, 118,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5640, 15.6665, 21.7638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 118, 125) }
```

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

```
.background{ background-color: rgb(68, 118,  
125) }
```

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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