

Converting Colors

XYZ(12.7553, 16.4258, 24.3280)

Have a look what the booklet for
XYZ(12.7553, 16.4258, 24.3280)
contains.

XYZ(12.7553, 16.4258, 24.3280)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.7553, 16.4258,
24.3280)**

Conversions

Conversions Part 1

Format	Color
Hex	387A84
RGB	56, 122, 132
RGB Percent	22%, 48%, 52%
CMY	0.7804, 0.5216, 0.4823
CMYK	0.58, 0.08, 0.00, 0.48
HSL	188°, 40%, 37%
HSV	188°, 58%, 52%
XYZ	12.7553, 16.4258, 24.3280
YIQ	103.4060, -42.5460, -10.8820

Conversions

Conversions Part 2

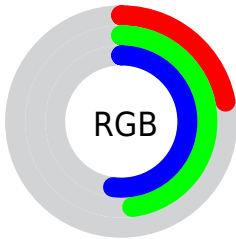
Format	Color
RYB	56, 91, 132
Decimal	3701380
CIELab	47.53, -17.84, -11.83
CIElCh	48, 21.406, 213.548
Yxy	16.4258, 0.2384, 0.3070
Android (android.graphics.Color)	4281891460 (0xFF387A84)
YUV	103.4060, 14.0968, -41.5751
Hunter-Lab	40.5288, -14.7474, -7.2196




Details

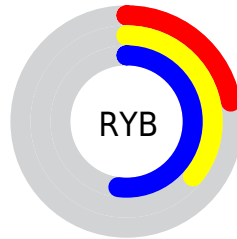
The XYZ color **12.7553, 16.4258, 24.3280** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.1781, 9.0879, 4.8542**, and the grayscale version is **12.9721, 13.6476, 14.8623**.




A 20% lighter version of the original color is **30.5173, 37.4777, 51.5244**, and **3.9439, 5.3896, 9.0161** is the 20% darker color. If you saturate the color by 10%, you get **11.9014, 15.6722, 24.2278**, and if you desaturate by 10%, it is **13.8086, 17.2886, 24.4393**.

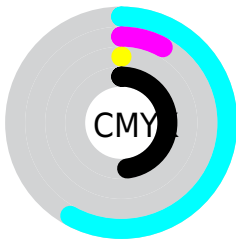
Distribution







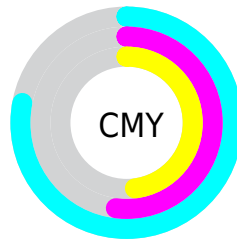
-  Red (22%)
-  Green (48%)
-  Blue (52%)






-  Red (22%)
-  Yellow (36%)
-  Blue (52%)



-  Cyan (58%)
-  Magenta (8%)
-  Yellow (0%)
-  Black (48%)



-  Cyan (78%)
-  Magenta (52%)
-  Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7553, 16.4258, 24.3280 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 12.7553, 16.4258, 24.3280 by changing the saturation by 10% instead.

■ 12.7553, 16.4258,
24.3280

■ 12.7553, 16.4258,
24.3280

■ 203.0129,
231.8413, 287.8144

■ 7.3361, 9.8260,
15.3627

■ 30.4685, 37.3359,
51.5154

■ 3.7214, 5.2837,
8.9249

■ 43.4933, 52.4148,
70.5746

■ 1.5457, 2.4147,
4.5961

■ 59.7839, 71.0890,
93.8355

■ 0.3566, 0.8334,
1.9577

■ 79.7058, 93.7428,
121.7166

■ 0.0000, 0.0000,
0.5291

■ 103.6243,
120.7605, 154.6366

■ 0.0000, 0.0000,
0.0000

■ 131.9047,

152.5265, 193.0138

164.9125,
189.4254, 237.2669

■ 12.7553, 16.4258,
24.3280

■ 12.7553, 16.4258,
24.3280

■ 11.9014, 15.6722,
24.2278

■ 13.8086, 17.2886,
24.4393

■ 11.2297, 15.0178,
24.1369

■ 15.0738, 18.2659,
24.5613

■ 10.7226, 14.4539,
24.0548

■ 16.5640, 19.3650,
24.6949

■ 10.3421, 13.9607,
23.9797

■ 18.2910, 20.5918,
24.8407

■ 10.2540, 13.8441,
23.9618

■ 20.2657, 21.9521,
24.9991

■ 22.4981, 23.4511,
25.1708

■ 24.9980, 25.0938,
25.3561

■ 27.7744, 26.8849,
25.5555

■ 30.8361, 28.8290,
25.7694

Harmonies

Analogous

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



12.2357, 16.4258, 18.5417



12.7553, 16.4258, 24.3280



14.0374, 16.4258, 29.0112

Triad

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



12.7553, 16.4258, 24.3280



19.1250, 16.4258, 22.9742



15.3868, 16.4258, 9.3280

Complementary

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



12.7553, 16.4258, 24.3280



12.1781, 9.0879, 4.8542

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.



17.3006, 16.4258, 10.0438



12.7553, 16.4258, 24.3280



19.5590, 16.4258, 17.2438

Square

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



12.7553, 16.4258, 24.3280



17.7243, 16.4258, 28.1246



18.8668, 16.4258, 12.6935



13.6750, 16.4258, 10.4920

Rectangle

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



12.7553, 16.4258, 24.3280



15.2044, 16.4258, 30.4585



18.8668, 16.4258, 12.6935



16.0273, 16.4258, 9.3580

Sweetspot

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



12.7558, 16.4264, 24.3284



32.2824, 36.3161, 43.7614



10.8328, 17.7238, 7.8314



7.3908, 8.3675, 10.1782



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.7558, 16.4264, 24.3284



20.5807, 27.2465, 42.6275



9.0552, 9.0253, 23.0949



4.7508, 5.1772, 5.9497



9.9310, 13.4099, 23.2016



0.0380, 0.0537, 0.0816

Inverse Universe

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



14.4432, 9.1395, 19.4159



23.9784, 13.5620, 32.5142



15.0669, 14.8655, 5.8171



4.8322, 4.7526, 5.7289



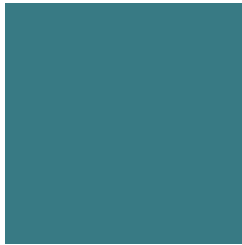
12.1908, 5.9407, 16.1092



0.0441, 0.0213, 0.0654

Previews

White Background



This preview shows how the XYZ color 12.7553, 16.4258, 24.3280 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 12.7553, 16.4258, 24.3280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

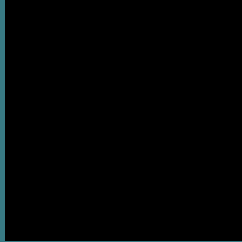
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

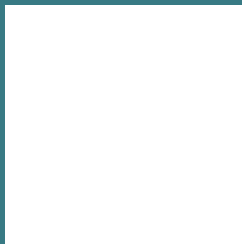
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7553, 16.4258, 24.3280

Background



This preview shows how black text looks on a background with the XYZ color 12.7553, 16.4258, 24.3280.

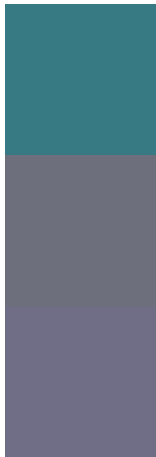


This preview shows how white text looks on a background with the XYZ color 12.7553, 16.4258,

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

12.7553, 16.4258, 24.3280

Protanopia

15.8165, 16.1645, 21.6885

Deuteranopia

16.6312, 16.3459, 25.2002



Tritanopia

12.7553, 16.4258, 24.3280

Trichromacy



Original Color

12.7553, 16.4258, 24.3280

Protanomaly

14.2435, 15.9936, 22.7584

Deuteranomaly

14.7340, 16.0312, 24.8720

Tritanomaly

12.7553, 16.4258, 24.3280

Monochromacy



Original Color

12.7553, 16.4258, 24.3280

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.4509, 14.3452, 18.0323

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7553, 16.4258, 24.3280 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(56, 122, 132)` looks like.

```
.text, #text, p{  
    color:rgb(56, 122, 132)  
}
```

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(56, 122, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 122, 132) }
```

Border

The CSS property to change the border of an element to XYZ 12.7553, 16.4258, 24.3280 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(56, 122, 132) }
```


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

```
.border{ border-color:rgb(56, 122, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 122, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 122, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 122, 132);  
box-shadow:4px 4px 4px 4px rgb(56, 122,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7553, 16.4258, 24.3280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 122, 132) }
```

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

```
.background{ background-color: rgb(56, 122,  
132) }
```

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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