

Converting Colors

XYZ(12.7018, 15.2687, 24.5218)

Have a look what the booklet for
XYZ(12.7018, 15.2687, 24.5218)
contains.

XYZ(12.7258, 15.3425, 24.4810)	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(12.7258, 15.3425,
24.4810)**

Conversions

Conversions Part 1

Format	Color
Hex	427485
RGB	66, 116, 133
RGB Percent	26%, 45%, 52%
CMY	0.7412, 0.5451, 0.4784
CMYK	0.50, 0.13, 0.00, 0.48
HSL	195°, 34%, 39%
HSV	195°, 50%, 52%
XYZ	12.7258, 15.3425, 24.4810
YIQ	102.9880, -35.2570, -5.3130

Conversions

Conversions Part 2

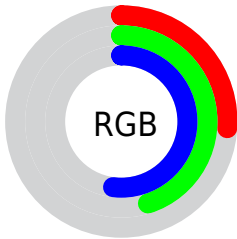
Format	Color
R_{YB}	66, 95, 133
Decimal	4355205
CIE _{Lab}	46.10, -11.88, -14.55
CIE _{LCh}	46, 18.781, 230.761
Yxy	15.3425, 0.2422, 0.2920
Android (android.graphics.Color)	4282545285 (0xFF427485)
YUV	102.9880, 14.7959, -32.4385
Hunter-Lab	39.1695, -10.5537, -9.6377

Details

The XYZ color **12.7258, 15.3425, 24.4810** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.7498, 11.5668, 6.6626**, and the grayscale version is **12.8582, 13.5278, 14.7318**.

A 20% lighter version of the original color is **30.3368, 35.4020, 51.6887**, and **3.7036, 4.7975, 8.9144** is the 20% darker color. If you saturate the color by 10%, you get **11.5500, 14.1696, 24.3169**, and if you desaturate by 10%, it is **14.1251, 16.6522, 24.6603**.

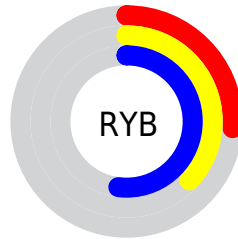
Distribution



Red (26%)

Green (45%)

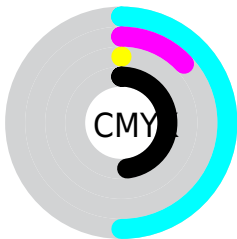
Blue (52%)



Red (26%)

Yellow (37%)

Blue (52%)

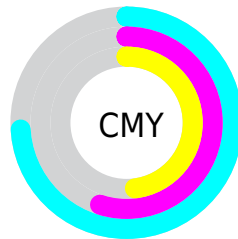


Cyan (50%)

Magenta (13%)

Yellow (0%)

Black (48%)



Cyan (74%)

Magenta (55%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7258, 15.3425, 24.4810 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 12.7258, 15.3425, 24.4810 by changing the saturation by 10% instead.

■ 12.7258, 15.3425,
24.4810

■ 12.7258, 15.3425,
24.4810

202.8261,
225.4300, 288.6078

■ 7.3157, 9.0601,
15.4753

■ 30.4158, 35.4529,
51.7676

■ 3.7084, 4.7804,
9.0033

■ 43.4264, 50.0497,
70.8856

■ 1.5385, 2.1190,
4.6465

■ 59.7013, 68.1868,
94.2115

■ 0.3518, 0.6753,
1.9863

■ 79.6057, 90.2486,
122.1638

■ 0.0000, 0.0000,
0.5468

■ 103.5050,
116.6194, 155.1611

■ 0.0000, 0.0000,
0.0000

131.7646,

147.6836, 193.6218

164.7499,
183.8257, 237.9645

■ 12.7258, 15.3425,
24.4810

■ 12.7258, 15.3425,
24.4810

■ 11.5500, 14.1696,
24.3169

■ 14.1251, 16.6522,
24.6603

■ 10.5814, 13.1241,
24.1661

■ 15.7599, 18.1042,
24.8544

■ 9.8038, 12.1975,
24.0282

■ 17.6430, 19.7056,
25.0643

■ 9.1978, 11.3797,
23.9023

■ 19.7857, 21.4624,
25.2904

■ 8.7198, 10.6657,
23.7897

■ 22.1987, 23.3804,
25.5335

■ 24.8921, 25.4650,
25.7939

■ 27.8755, 27.7214,
26.0722

■ 31.1579, 30.1542,
26.3688

■ 34.7479, 32.7684,
26.6841

Harmonies

Analogous

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



11.8965, 15.3425, 20.0192



12.7258, 15.3425, 24.4810



14.0953, 15.3425, 26.9713

Triad

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



12.7258, 15.3425, 24.4810



17.8270, 15.3425, 18.1570



13.5214, 15.3425, 9.7598

Complementary

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



12.7258, 15.3425, 24.4810



13.7498, 11.5668, 6.6626

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.



15.0810, 15.3425, 9.4440



12.7258, 15.3425, 24.4810



17.6453, 15.3425, 13.7790

Square

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



12.7258, 15.3425, 24.4810



17.0915, 15.3425, 22.9061



16.6117, 15.3425, 10.7798



12.3320, 15.3425, 11.7387

Rectangle

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



12.7258, 15.3425, 24.4810



15.1632, 15.3425, 26.9156



16.6117, 15.3425, 10.7798



14.0170, 15.3425, 9.4718

Sweetspot

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



12.7263, 15.3431, 24.4814



33.4665, 36.8363, 45.0846



12.1864, 18.5544, 11.0726



7.3869, 8.1732, 10.1410



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.



12.7263, 15.3431, 24.4814



20.4956, 25.1794, 43.5183



9.5550, 9.0005, 23.4243



4.7043, 5.0842, 5.9342



8.3123, 10.1723, 22.6620



0.0346, 0.0469, 0.0805

Inverse Universe

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



14.7739, 10.1444, 17.7030



24.7392, 15.3373, 29.2614



16.9309, 17.9288, 7.7230



4.8088, 4.7432, 5.6053



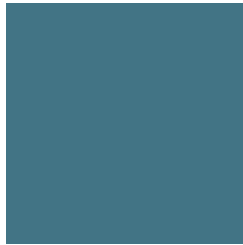
11.3738, 5.6138, 11.8065



0.0423, 0.0206, 0.0564

Previews

White Background



This preview shows how the XYZ color 12.7258, 15.3425, 24.4810 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 12.7258, 15.3425, 24.4810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

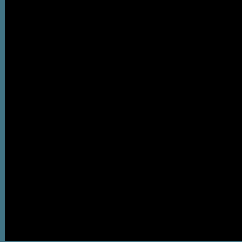
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.7258, 15.3425, 24.4810

Background



This preview shows how black text looks on a background with the XYZ color 12.7258, 15.3425, 24.4810.

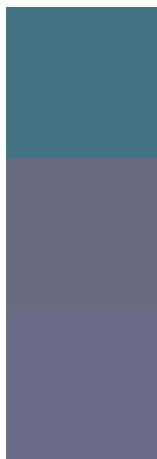


This preview shows how white text looks on a background with the XYZ color 12.7258, 15.3425,

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

12.7258, 15.3425, 24.4810

Protanopia

15.0190, 15.2607, 22.2327

Deuteranopia

15.5747, 15.3288, 25.0596



Tritanopia

12.3064, 15.3449, 22.3919

Trichromacy



Original Color

12.7258, 15.3425, 24.4810

Protanomaly

13.9613, 15.1780, 22.9627

Deuteranomaly

14.1934, 15.0972, 24.7202

Tritanomaly

12.5037, 15.4314, 23.0884

Monochromacy



Original Color

12.7258, 15.3425, 24.4810

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.6163, 14.1137, 17.9789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7258, 15.3425, 24.4810 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(66, 116, 133)` looks like.

```
.text, #text, p{  
    color:rgb(66, 116, 133)  
}
```

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(66, 116, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 116, 133) }
```

Border

The CSS property to change the border of an element to XYZ 12.7258, 15.3425, 24.4810 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(66, 116, 133) }
```


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

```
.border{ border-color:rgb(66, 116, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 116, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 116, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 116, 133);  
box-shadow:4px 4px 4px 4px rgb(66, 116,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7258, 15.3425, 24.4810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 116, 133) }
```

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

```
.background{ background-color: rgb(66, 116,  
133) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor