

Converting Colors

XYZ(12.4042, 15.1602, 18.6874)

Have a look what the booklet for
XYZ(12.4042, 15.1602, 18.6874)
contains.

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Color

**XYZ(12.4250, 15.1421,
18.7909)**

Conversions

Conversions Part 1

Format	Color
Hex	4E7374
RGB	78, 115, 116
RGB Percent	31%, 45%, 45%
CMY	0.6941, 0.5490, 0.5451
CMYK	0.33, 0.01, 0.00, 0.55
HSL	182°, 20%, 38%
HSV	182°, 33%, 45%
XYZ	12.4250, 15.1421, 18.7909
YIQ	104.0510, -22.3730, -7.5330

Conversions

Conversions Part 2

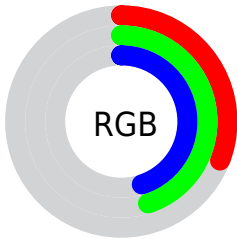
Format	Color
R_{YB}	78, 97, 116
Decimal	5141364
CIE _{Lab}	45.83, -12.74, -4.75
CIE _{LCh}	46, 13.598, 200.447
Yxy	15.1421, 0.2680, 0.3266
Android (android.graphics.Color)	4283331444 (0xFF4E7374)
YUV	104.0510, 5.8909, -22.8467
Hunter-Lab	38.9129, -11.1019, -1.3920

Details

The XYZ color **12.4250, 15.1421, 18.7909** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.3738, 9.8552, 8.5108**, and the grayscale version is **13.1611, 13.8465, 15.0788**.

A 20% lighter version of the original color is **29.9399, 35.1317, 42.2489**, and **3.5860, 4.7077, 6.1885** is the 20% darker color. If you saturate the color by 10%, you get **11.5226, 14.6257, 18.7390**, and if you desaturate by 10%, it is **13.4961, 15.7463, 18.8513**.

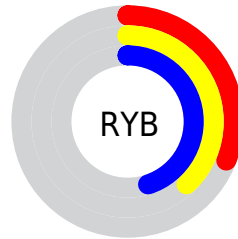
Distribution



Red (31%)

Green (45%)

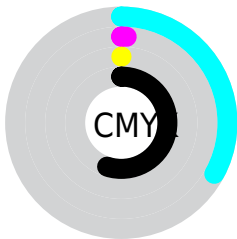
Blue (45%)



Red (31%)

Yellow (38%)

Blue (45%)

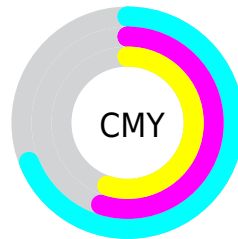


Cyan (33%)

Magenta (1%)

Yellow (0%)

Black (55%)



Cyan (69%)

Magenta (55%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4250, 15.1421, 18.7909 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 12.4250, 15.1421, 18.7909 by changing the saturation by 10% instead.

■ 12.4250, 15.1421,
18.7909

■ 12.4250, 15.1421,
18.7909

200.9119,
224.2247, 257.6761

■ 7.1081, 8.9192,
11.3440

■ 29.8770, 35.1023,
42.2125

■ 3.5767, 4.6885,
6.1816

■ 42.7428, 49.6083,
59.0242

■ 1.4656, 2.0657,
2.8853

■ 58.8556, 67.6442,
79.7946

■ 0.3022, 0.6452,
1.0364

■ 78.5807, 89.5943,
104.9423

■ 0.0000, 0.0000,
0.0000

■ 102.2836,
115.8430, 134.8857

130.3295,

146.7747, 170.0435

163.0838,
182.7738, 210.8341

■ 12.4250, 15.1421,
18.7909

■ 12.4250, 15.1421,
18.7909

■ 11.5226, 14.6257,
18.7390

■ 13.4961, 15.7463,
18.8513

■ 10.7788, 14.1909,
18.6943

■ 14.7427, 16.4409,
18.9197

■ 10.1843, 13.8333,
18.6566

■ 16.1729, 17.2302,
18.9967

■ 9.7286, 13.5473,
18.6254

■ 17.7939, 18.1181,
19.0826

■ 9.3995, 13.3268,
18.6002

■ 19.6124, 19.1080,
19.1778

■ 9.1820, 13.1640,
18.5803

■ 21.6351, 20.2032,
19.2826

■ 9.0522, 13.0605,
18.5671

■ 23.8679, 21.4071,
19.3973

■ 26.3169, 22.7225,
19.5221

■ 28.9877, 24.1524,
19.6574

Harmonies

Analogous

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



12.3271, 15.1421, 15.4621



12.4250, 15.1421, 18.7909



13.0343, 15.1421, 21.8460

Triad

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



12.4250, 15.1421, 18.7909



16.1584, 15.1421, 20.8401



14.7608, 15.1421, 11.0152

Complementary

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



12.4250, 15.1421, 18.7909



11.3738, 9.8552, 8.5108

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.



15.8411, 15.1421, 12.0853



12.4250, 15.1421, 18.7909



16.6757, 15.1421, 17.5566

Square

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



12.4250, 15.1421, 18.7909



15.1755, 15.1421, 23.1337



16.5566, 15.1421, 14.3799



13.6362, 15.1421, 11.2538

Rectangle

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



12.4250, 15.1421, 18.7909



13.6673, 15.1421, 23.1759



16.5566, 15.1421, 14.3799



15.1421, 15.1421, 11.2278

Sweetspot

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



12.4254, 15.1427, 18.7912



26.5134, 29.2312, 33.2893



10.7856, 14.6700, 9.5908



6.2610, 6.9380, 7.9382



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.



12.4254, 15.1427, 18.7912



20.6653, 25.9459, 32.9634



10.5110, 11.3138, 18.1531



3.7755, 4.1396, 4.6903



10.1563, 14.6522, 20.8354



49.3894, 71.1953, 101.4993

Inverse Universe

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



13.0217, 10.3999, 17.5414



21.8857, 16.3091, 30.3896



12.9114, 12.9303, 9.0233



3.8227, 3.7564, 4.5930



11.4235, 5.5031, 17.9704



55.6162, 26.7966, 87.2973

Previews

White Background



This preview shows how the XYZ color 12.4250, 15.1421, 18.7909 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 12.4250, 15.1421, 18.7909 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

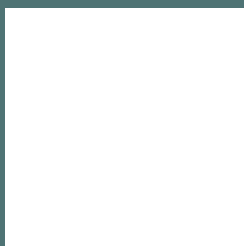
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.4250, 15.1421, 18.7909

Background



This preview shows how black text looks on a background with the XYZ color 12.4250, 15.1421, 18.7909.



This preview shows how white text looks on a background with the XYZ color 12.4250, 15.1421,

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

12.4250, 15.1421, 18.7909

Protanopia

14.5939, 15.1462, 17.4836

Deuteranopia

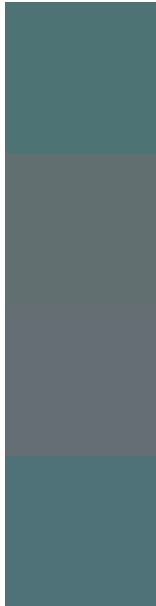
15.2610, 14.9886, 19.2283



Tritanopia

12.9007, 15.1702, 20.9871

Trichromacy



Original Color

12.4250, 15.1421, 18.7909

Protanomaly

13.7021, 15.1578, 17.8264

Deuteranomaly

14.0464, 14.9883, 18.9823

Tritanomaly

12.6319, 15.0530, 20.0090

Monochromacy



Original Color

12.4250, 15.1421, 18.7909

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.7887, 14.2407, 16.2621

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4250, 15.1421, 18.7909 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(78, 115, 116)` looks like.

```
.text, #text, p{  
    color:rgb(78, 115, 116)  
}
```

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(78, 115, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 115, 116) }
```

Border

The CSS property to change the border of an element to XYZ 12.4250, 15.1421, 18.7909 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(78, 115, 116) }
```


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

```
.border{ border-color:rgb(78, 115, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 115, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 115, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 115, 116);  
box-shadow:4px 4px 4px 4px rgb(78, 115,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4250, 15.1421, 18.7909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 115, 116) }
```

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

```
.background{ background-color: rgb(78, 115,  
116) }
```

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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