

Converting Colors

XYZ(15.3155, 18.8618, 28.5707)

Have a look what the booklet for
XYZ(15.3155, 18.8618, 28.5707)
contains.

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Color

**XYZ(15.2741, 18.7691,
28.4089)**

Conversions

Conversions Part 1

Format	Color
Hex	48808E
RGB	72, 128, 142
RGB Percent	28%, 50%, 56%
CMY	0.7176, 0.4980, 0.4431
CMYK	0.49, 0.10, 0.00, 0.44
HSL	192°, 33%, 42%
HSV	192°, 49%, 56%
XYZ	15.2741, 18.7691, 28.4089
YIQ	112.8520, -37.8700, -7.5180

Conversions

Conversions Part 2

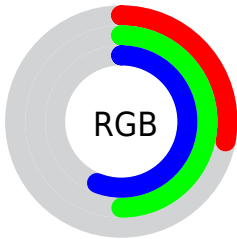
Format	Color
R_{YB}	72, 103, 142
Decimal	4751502
CIE _{Lab}	50.42, -14.44, -13.29
CIE _{LCh}	50, 19.623, 222.626
Yxy	18.7691, 0.2446, 0.3005
Android (android.graphics.Color)	4282941582 (0xFF48808E)
YUV	112.8520, 14.3700, -35.8272
Hunter-Lab	43.3233, -12.8837, -8.5526

Details

The XYZ color **15.2741, 18.7691, 28.4089** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.6530, 12.8744, 7.7913**, and the grayscale version is **15.6195, 16.4329, 17.8954**.

A 20% lighter version of the original color is **34.9451, 41.3932, 58.3724**, and **4.8937, 6.4502, 11.1123** is the 20% darker color. If you saturate the color by 10%, you get **13.9702, 17.5551, 28.2436**, and if you desaturate by 10%, it is **16.8341, 20.1313, 28.5900**.

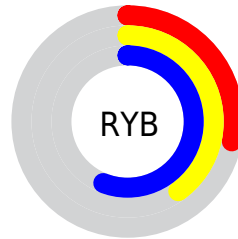
Distribution



Red (28%)

Green (50%)

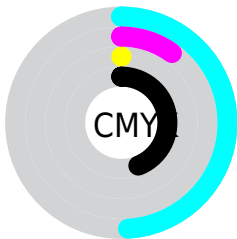
Blue (56%)



Red (28%)

Yellow (40%)

Blue (56%)

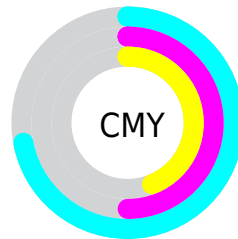


Cyan (49%)

Magenta (10%)

Yellow (0%)

Black (44%)



Cyan (72%)

Magenta (50%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2741, 18.7691, 28.4089 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 15.2741, 18.7691, 28.4089 by changing the saturation by 10% instead.

■ 15.2741, 18.7691,
28.4089

■ 15.2741, 18.7691,
28.4089

218.3750,
245.1711, 308.3889

■ 9.0995, 11.5036,
18.3924

■ 34.9010, 41.3436,
58.1675

■ 4.8638, 6.4066,
11.0597

■ 49.0841, 57.4213,
78.7468

■ 2.2015, 3.0939,
5.9923

■ 66.6675, 77.2052,
103.6840

■ 0.7435, 1.1809,
2.7717

■ 88.0164, 101.0796,
133.3977

■ 0.0000, 0.0460,
0.9793

■ 113.4962,
129.4291, 168.3066

■ 0.0000, 0.0000,
0.0000

143.4724,

162.6378, 208.8290

178.3102,
201.0904, 255.3836

■ 15.2741, 18.7691,
28.4089

■ 15.2741, 18.7691,
28.4089

■ 13.9702, 17.5551,
28.2436

■ 16.8341, 20.1313,
28.5900

■ 12.9035, 16.4783,
28.0920

■ 18.6639, 21.6477,
28.7862

■ 12.0552, 15.5291,
27.9535

■ 20.7784, 23.3266,
28.9988

■ 11.4027, 14.6960,
27.8271

■ 23.1908, 25.1747,
29.2284

■ 10.8903, 13.9499,
27.7101

■ 25.9136, 27.1988,
29.4756

■ 10.8552, 13.8984,
27.7020

■ 28.9584, 29.4048,
29.7409

■ 32.3361, 31.7986,
30.0249

■ 36.0575, 34.3857,
30.3281

■ 40.1324, 37.1714,
30.6511

Harmonies

Analogous

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



14.4938, 18.7691, 22.8200



15.2741, 18.7691, 28.4089



16.7663, 18.7691, 32.1925

Triad

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



15.2741, 18.7691, 28.4089



21.5746, 18.7691, 23.7368



17.0495, 18.7691, 11.8030

Complementary

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



15.2741, 18.7691, 28.4089



15.6530, 12.8744, 7.7913

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.



18.9575, 18.7691, 11.9599



15.2741, 18.7691, 28.4089



21.6640, 18.7691, 18.2248

Square

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



15.2741, 18.7691, 28.4089



20.4409, 18.7691, 29.1824



20.6771, 18.7691, 14.1152



15.4687, 18.7691, 13.6398

Rectangle

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



15.2741, 18.7691, 28.4089



18.0081, 18.7691, 32.8307



20.6771, 18.7691, 14.1152



17.6719, 18.7691, 11.6353

Sweetspot

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



15.2747, 18.7698, 28.4093



38.2706, 42.3955, 51.2939



13.9789, 21.3773, 11.9495



8.3769, 9.3373, 11.4402



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



15.2747, 18.7698, 28.4093



24.4425, 30.7696, 49.7787



11.5729, 11.3662, 27.1754



5.4699, 5.9356, 6.8862



9.7593, 12.5046, 24.8763



0.1083, 0.1496, 0.2428

Inverse Universe

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



17.3694, 11.9444, 21.8130



28.7223, 17.8171, 36.0785



19.0218, 19.6119, 8.9142



5.5807, 5.4928, 6.5558



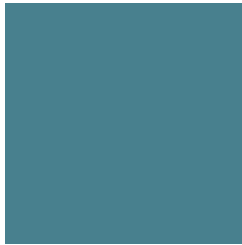
12.7292, 6.2487, 14.7569



0.1293, 0.0628, 0.1810

Previews

White Background



This preview shows how the XYZ color 15.2741, 18.7691, 28.4089 looks on a white 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

Black Background



This preview shows how the XYZ color 15.2741, 18.7691, 28.4089 looks on a black 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

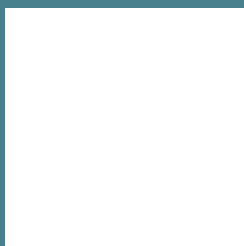
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.2741, 18.7691, 28.4089

Background



This preview shows how black text looks on a background with the XYZ color 15.2741, 18.7691, 28.4089.



This preview shows how white text looks on a background with the XYZ color 15.2741, 18.7691,

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

15.2741, 18.7691, 28.4089

Protanopia

18.3769, 18.7531, 25.9437

Deuteranopia

19.0031, 18.6581, 28.9854



Tritanopia

15.1090, 18.9042, 27.2786

Trichromacy



Original Color

15.2741, 18.7691, 28.4089

Protanomaly

16.9138, 18.5207, 26.7282

Deuteranomaly

17.2748, 18.4827, 28.6436

Tritanomaly

15.1824, 18.9336, 27.6653

Monochromacy



Original Color

15.2741, 18.7691, 28.4089

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.1535, 17.0088, 21.5531

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2741, 18.7691, 28.4089 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(72, 128, 142)` looks like.

```
.text, #text, p{  
    color:rgb(72, 128, 142)  
}
```

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(72, 128, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 128, 142) }
```

Border

The CSS property to change the border of an element to XYZ 15.2741, 18.7691, 28.4089 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(72, 128, 142) }
```


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

```
.border{ border-color:rgb(72, 128, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 128, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 128, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 128, 142);  
box-shadow:4px 4px 4px 4px rgb(72, 128,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2741, 18.7691, 28.4089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 128, 142) }
```

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

```
.background{ background-color: rgb(72, 128,  
142) }
```

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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