

Converting Colors

XYZ(8.7089, 11.5225, 15.8765)

Have a look what the booklet for
XYZ(8.7089, 11.5225, 15.8765)
contains.

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Color

**XYZ(8.7393, 11.5412,
15.9544)**

Conversions

Conversions Part 1

Format	Color
Hex	2D686C
RGB	45, 104, 108
RGB Percent	18%, 41%, 42%
CMY	0.8235, 0.5922, 0.5765
CMYK	0.58, 0.04, 0.00, 0.58
HSL	184°, 41%, 30%
HSV	184°, 58%, 42%
XYZ	8.7393, 11.5412, 15.9544
YIQ	86.8150, -36.4480, -11.2640

Conversions

Conversions Part 2

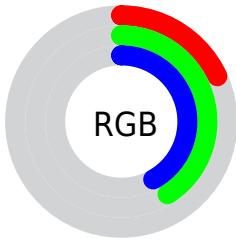
Format	Color
R_{YB}	45, 75, 108
Decimal	2975852
CIE Lab	40.48, -17.76, -8.06
CIE LCh	40, 19.508, 204.419
Yxy	11.5412, 0.2412, 0.3185
Android (android.graphics.Color)	4281165932 (0xFF2D686C)
YUV	86.8150, 10.4442, -36.6718
Hunter-Lab	33.9723, -13.5329, -4.0637




Details

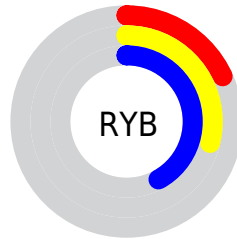
The XYZ color **8.7393, 11.5412, 15.9544** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.7566, 5.5746, 3.1502**, and the grayscale version is **9.0036, 9.4725, 10.3155**.




A 20% lighter version of the original color is **23.0164, 28.5426, 37.0971**, and **2.3054, 3.2632, 4.9232** is the 20% darker color. If you saturate the color by 10%, you get **8.2550, 11.1897, 15.9123**, and if you desaturate by 10%, it is **9.3465, 11.9574, 16.0029**.

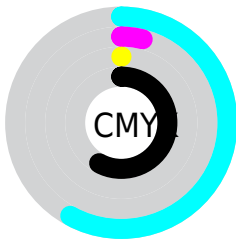
Distribution







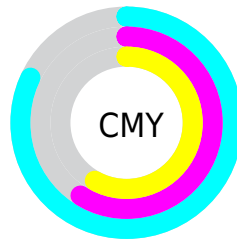
-  Red (18%)
-  Green (41%)
-  Blue (42%)






-  Red (18%)
-  Yellow (29%)
-  Blue (42%)



-  Cyan (58%)
-  Magenta (4%)
-  Yellow (0%)
-  Black (58%)



-  Cyan (82%)
-  Magenta (59%)
-  Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.7393, 11.5412, 15.9544 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 8.7393, 11.5412, 15.9544 by changing the saturation by 10% instead.

8.7393, 11.5412,
15.9544

8.7393, 11.5412,
15.9544

175.6696,
201.3438, 240.9090

4.6273, 6.4321,
9.3379

23.0673, 28.6567,
37.2847

2.0628, 3.1096,
4.8624

34.0140, 41.4319,
52.8356

0.6689, 1.1892,
2.1094

47.9697, 57.5312,
72.2017

0.0000, 0.0529,
0.6214

65.2997, 77.3390,
95.8015

0.0000, 0.0000,
0.0000

86.3693, 101.2398,
124.0536

111.5439,

129.6180, 157.3765

141.1889,
162.8578, 196.1888

■ 8.7393, 11.5412,
15.9544

■ 8.7393, 11.5412,
15.9544

■ 8.2550, 11.1897,
15.9123

■ 9.3465, 11.9574,
16.0029

■ 7.8830, 10.8968,
15.8754

■ 10.0841, 12.4413,
16.0575

■ 7.6129, 10.6572,
15.8433

■ 10.9602, 12.9975,
16.1186

■ 7.4083, 10.4521,
15.8145

■ 11.9817, 13.6295,
16.1868

■ 7.3745, 10.4182,
15.8098

■ 13.1555, 14.3408,
16.2622

■ 14.4877, 15.1346,
16.3452

■ 15.9841, 16.0140,
16.4361

■ 17.6504, 16.9818,
16.5351

■ 19.4918, 18.0407,
16.6424

Harmonies

Analogous

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



8.5487, 11.5412, 11.8461



8.7393, 11.5412, 15.9544



9.5056, 11.5412, 19.7640

Triad

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



8.7393, 11.5412, 15.9544



13.2571, 11.5412, 17.4930



11.2280, 11.5412, 6.4488

Complementary

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



8.7393, 11.5412, 15.9544



7.7566, 5.5746, 3.1502

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.



12.5766, 11.5412, 7.3704



8.7393, 11.5412, 15.9544



13.8091, 11.5412, 13.3153

Square

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



8.7393, 11.5412, 15.9544



12.0963, 11.5412, 20.7740



13.5502, 11.5412, 9.6956



9.9151, 11.5412, 6.8677

Rectangle

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



8.7393, 11.5412, 15.9544



10.2764, 11.5412, 21.3355



13.5502, 11.5412, 9.6956



11.6932, 11.5412, 6.6050

Sweetspot

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



8.7397, 11.5416, 15.9547



21.2033, 24.0308, 28.4286



6.9817, 11.4979, 4.6644



5.0656, 5.7758, 6.8766



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



8.7397, 11.5416, 15.9547



14.2375, 19.4497, 27.9115



6.1950, 6.4523, 15.1064



3.1662, 3.4607, 3.9360



8.7887, 12.4117, 18.8547



44.5421, 62.7627, 95.9930

Inverse Universe

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



9.6217, 6.0648, 13.7606



15.9923, 8.9802, 23.4512



9.5014, 9.0642, 3.7318



3.2097, 3.1607, 3.8345



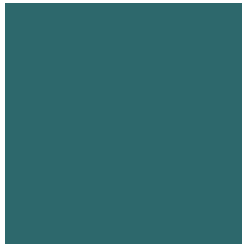
10.1830, 4.9253, 15.1240



51.7656, 25.0482, 76.4253

Previews

White Background



This preview shows how the XYZ color 8.7393, 11.5412, 15.9544 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 8.7393, 11.5412, 15.9544 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

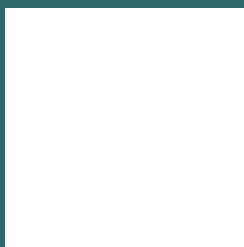
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 8.7393, 11.5412, 15.9544

Background



This preview shows how black text looks on a background with the XYZ color 8.7393, 11.5412, 15.9544.



This preview shows how white text looks on a background with the XYZ color 8.7393, 11.5412, 15.9544.

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

8.7393, 11.5412, 15.9544

Protanopia

11.1203, 11.3976, 14.1842

Deuteranopia

11.6586, 11.4959, 16.3563



Tritanopia

8.9472, 11.4747, 17.0725

Trichromacy



Original Color

8.7393, 11.5412, 15.9544

Protanomaly

9.9269, 11.3126, 14.7571

Deuteranomaly

10.1769, 11.2732, 16.1076

Tritanomaly

8.8462, 11.4290, 16.7787

Monochromacy



Original Color

8.7393, 11.5412, 15.9544

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

8.6524, 10.0326, 12.3069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.7393, 11.5412, 15.9544 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(45, 104, 108)` looks like.

```
.text, #text, p{  
    color:rgb(45, 104, 108)  
}
```

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(45, 104, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 104, 108) }
```

Border

The CSS property to change the border of an element to XYZ 8.7393, 11.5412, 15.9544 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(45, 104, 108) }
```


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

```
.border{ border-color:rgb(45, 104, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 104, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 104, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 104, 108);  
box-shadow:4px 4px 4px 4px rgb(45, 104,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 8.7393, 11.5412, 15.9544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 104, 108) }
```

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

```
.background{ background-color: rgb(45, 104,  
108) }
```

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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