

Converting Colors

XYZ(12.9042, 15.2685, 12.4128)

Have a look what the booklet for
XYZ(12.9042, 15.2685, 12.4128)
contains.

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Color

**XYZ(12.8739, 15.1796,
12.3766)**

Conversions

Conversions Part 1

Format	Color
Hex	62715C
RGB	98, 113, 92
RGB Percent	38%, 44%, 36%
CMY	0.6157, 0.5569, 0.6392
CMYK	0.13, 0.00, 0.19, 0.56
HSL	103°, 10%, 40%
HSV	103°, 19%, 44%
XYZ	12.8739, 15.1796, 12.3766
YIQ	106.1210, -2.1990, -9.7110

Conversions

Conversions Part 2

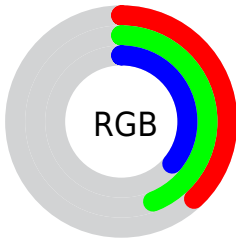
Format	Color
R _Y B	92, 113, 107
Decimal	6451548
CIE Lab	45.88, -9.94, 9.81
CIE LCh	46, 13.964, 135.392
Yxy	15.1796, 0.3184, 0.3755
Android (android.graphics.Color)	4284641628 (0xFF62715C)
YUV	106.1210, -6.9617, -7.1221
Hunter-Lab	38.9610, -9.1999, 8.4383

Details

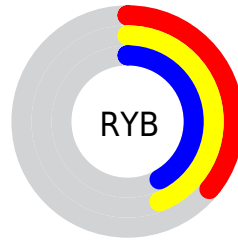
The XYZ color **12.8739, 15.1796, 12.3766** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.8717, 11.9727, 17.2561**, and the grayscale version is **13.7520, 14.4682, 15.7559**.

A 20% lighter version of the original color is **30.7320, 35.2528, 30.7759**, and **3.7487, 4.6817, 3.2908** is the 20% darker color. If you saturate the color by 10%, you get **11.5890, 14.5705, 9.9274**, and if you desaturate by 10%, it is **14.3212, 15.8648, 15.2187**.

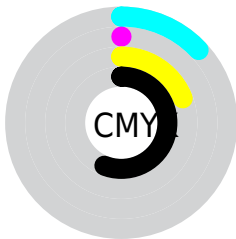
Distribution



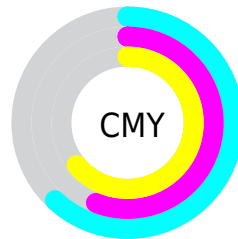
- Red (38%)
- Green (44%)
- Blue (36%)



- Red (36%)
- Yellow (44%)
- Blue (42%)



- Cyan (13%)
- Magenta (0%)
- Yellow (19%)
- Black (56%)



- Cyan (62%)
- Magenta (56%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8739, 15.1796, 12.3766 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 12.8739, 15.1796, 12.3766 by changing the saturation by 10% instead.

■ 12.8739, 15.1796,
12.3766

■ 12.8739, 15.1796,
12.3766

203.7619,
224.4507, 217.9484

■ 7.4182, 8.9455,
6.8751

■ 30.6803, 35.1679,
30.8538

■ 3.7736, 4.7057,
3.3068

■ 43.7617, 49.6910,
44.6665

■ 1.5749, 2.0756,
1.2534

■ 60.1157, 67.7459,
62.0866

■ 0.3759, 0.6509,
0.0231

■ 80.1076, 89.7169,
83.5328

■ 0.0000, 0.0000,
0.0000

104.1028,
115.9885, 109.4236

132.4667,

146.9451, 140.1774

165.5646,
182.9710, 176.2128

■ 12.8739, 15.1796,
12.3766

■ 12.8739, 15.1796,
12.3766

■ 11.5890, 14.5705,
9.9274

■ 14.3212, 15.8648,
15.2187

■ 10.4593, 14.0329,
7.8530

■ 15.9353, 16.6266,
18.4690

■ 9.4792, 13.5647,
6.1350

■ 17.7217, 17.4680,
22.1430

■ 8.6420, 13.1628,
4.7534

■ 19.6855, 18.3914,
26.2552

■ 7.9404, 12.8240,
3.6860

■ 21.8314, 19.3989,
30.8195

■ 7.3666, 12.5448,
2.9082

■ 24.1643, 20.4926,
35.8490

■ 6.9118, 12.3213,
2.3913

■ 26.6884, 21.6746,
41.3563

■ 6.5551, 12.1447,
2.0446

■ 29.4081, 22.9467,
47.3537

■ 6.5099, 12.1225,
1.9968

■ 32.3275, 24.3109,
53.8529

Harmonies

Analogous

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



13.8346, 15.1796, 11.0274



12.8739, 15.1796, 12.3766



12.3442, 15.1796, 14.9447

Triad

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



12.8739, 15.1796, 12.3766



13.8637, 15.1796, 23.6369



16.7246, 15.1796, 14.8647

Complementary

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



12.8739, 15.1796, 12.3766



12.8717, 11.9727, 17.2561

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.



16.7335, 15.1796, 18.2194



12.8739, 15.1796, 12.3766



15.0376, 15.1796, 23.6078

Square

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



12.8739, 15.1796, 12.3766



12.8942, 15.1796, 21.5921



16.1019, 15.1796, 21.5172



16.0783, 15.1796, 12.3250

Rectangle

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



12.8739, 15.1796, 12.3766



12.2873, 15.1796, 17.1453



16.1019, 15.1796, 21.5172



16.8034, 15.1796, 15.9257

Sweetspot

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



12.8743, 15.1803, 12.3769



26.3165, 28.7253, 28.5936



13.9689, 14.7370, 12.2337



6.0566, 6.6292, 6.5538



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.8743, 15.1803, 12.3769



22.0972, 26.7289, 20.3236



12.4397, 14.9344, 13.3419



3.4263, 3.8051, 3.6272



7.3661, 13.7411, 2.2641



35.9420, 68.0628, 11.2431

Inverse Universe

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



12.8717, 11.9727, 17.2561



22.0909, 19.9341, 30.6588



13.3873, 12.2652, 16.0741



3.4261, 3.4079, 4.2314



7.1830, 3.3124, 17.9824



34.9020, 16.0470, 89.5370

Previews

White Background



This preview shows how the XYZ color 12.8739, 15.1796, 12.3766 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 12.8739, 15.1796, 12.3766 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 12.8739, 15.1796, 12.3766

Background



This preview shows how black text looks on a background with the XYZ color 12.8739, 15.1796, 12.3766.



This preview shows how white text looks on a background with the XYZ color 12.8739, 15.1796,

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

12.8739, 15.1796, 12.3766

Protanopia

14.2783, 15.1081, 11.8365

Deuteranopia

15.2829, 14.9939, 12.6783



Tritanopia

14.2181, 15.0701, 19.2990

Trichromacy



Original Color

12.8739, 15.1796, 12.3766

Protanomaly

13.7709, 15.1584, 12.0976

Deuteranomaly

14.3037, 14.9505, 12.4878

Tritanomaly

13.7031, 15.0227, 16.6454

Monochromacy



Original Color

12.8739, 15.1796, 12.3766

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.4111, 14.7604, 14.4541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8739, 15.1796, 12.3766 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(98, 113, 92) looks like.

```
.text, #text, p{  
    color:rgb(98, 113, 92)  
}
```

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(98, 113, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 113, 92) }
```

Border

The CSS property to change the border of an element to XYZ 12.8739, 15.1796, 12.3766 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(98, 113, 92) }
```


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

```
.border{ border-color:rgb(98, 113, 92) }
```

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

Here you see how a box with a 4 pixel rgb(98, 113, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 113, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 113, 92);  
box-shadow:4px 4px 4px 4px rgb(98, 113,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8739, 15.1796, 12.3766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 113, 92) }
```

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

```
.background{ background-color: rgb(98, 113,  
92) }
```

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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