

Converting Colors

XYZ(12.8120, 15.2256, 15.7843)

Have a look what the booklet for
XYZ(12.8120, 15.2256, 15.7843)
contains.

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Color

**XYZ(12.8353, 15.2489,
15.9025)**

Conversions

Conversions Part 1

Format	Color
Hex	5A726A
RGB	90, 114, 106
RGB Percent	35%, 45%, 42%
CMY	0.6471, 0.5529, 0.5843
CMYK	0.21, 0.00, 0.07, 0.55
HSL	160°, 12%, 40%
HSV	160°, 21%, 45%
XYZ	12.8353, 15.2489, 15.9025
YIQ	105.9120, -11.7360, -7.5760

Conversions

Conversions Part 2

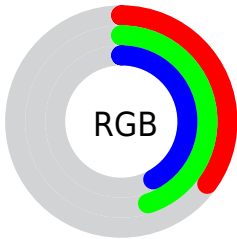
Format	Color
R_{YB}	90, 104, 114
Decimal	5927530
CIE Lab	45.97, -10.60, 1.53
CIE LCh	46, 10.712, 171.814
Yxy	15.2489, 0.2918, 0.3467
Android (android.graphics.Color)	4284117610 (0xFF5A726A)
YUV	105.9120, 0.0434, -13.9548
Hunter-Lab	39.0498, -9.6660, 3.1899

Details

The XYZ color **12.8353, 15.2489, 15.9025** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.8008, 11.7720, 13.1535**, and the grayscale version is **13.6780, 14.3904, 15.6711**.

A 20% lighter version of the original color is **30.5372, 35.2822, 37.0990**, and **3.7763, 4.7477, 4.8550** is the 20% darker color. If you saturate the color by 10%, you get **11.6172, 14.6437, 14.8367**, and if you desaturate by 10%, it is **14.2332, 15.9466, 17.0231**.

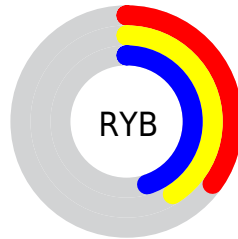
Distribution



Red (35%)

Green (45%)

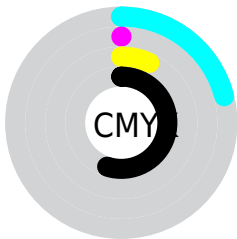
Blue (42%)



Red (35%)

Yellow (41%)

Blue (45%)

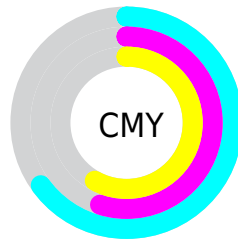


Cyan (21%)

Magenta (0%)

Yellow (7%)

Black (55%)



Cyan (65%)

Magenta (55%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8353, 15.2489, 15.9025 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 12.8353, 15.2489, 15.9025 by changing the saturation by 10% instead.

■ 12.8353, 15.2489,
15.9025

■ 12.8353, 15.2489,
15.9025

203.5184,
224.8678, 240.5917

■ 7.3914, 8.9943,
9.3016

■ 30.6114, 35.2892,
37.1933

■ 3.7566, 4.7374,
4.8389

■ 43.6744, 49.8437,
52.7202

■ 1.5654, 2.0940,
2.0960

■ 60.0078, 67.9336,
72.0596

■ 0.3697, 0.6613,
0.6134

■ 79.9769, 89.9433,
95.6299

■ 0.0000, 0.0000,
0.0000

103.9472,
116.2571, 123.8498

132.2840,

147.2596, 157.1377

165.3526,
183.3350, 195.9121

■ 12.8353, 15.2489,
15.9025

■ 12.8353, 15.2489,
15.9025

■ 11.6172, 14.6437,
14.8367

■ 14.2332, 15.9466,
17.0231

■ 10.5696, 14.1250,
13.8237

■ 15.8168, 16.7386,
18.1984

■ 9.6847, 13.6891,
12.8629

■ 17.5936, 17.6292,
19.4296

■ 8.9532, 13.3314,
11.9533

■ 19.5701, 18.6217,
20.7175

■ 8.3650, 13.0466,
11.0937

■ 21.7526, 19.7192,
22.0631

■ 7.9087, 12.8288,
10.2829

■ 24.1470, 20.9250,
23.4672

■ 7.5710, 12.6713,
9.5197

■ 26.7590, 22.2419,
24.9304

■ 7.3220, 12.5569,
8.8745

■ 29.5942, 23.6727,
26.4537

■ 32.6579, 25.2202,
28.0377

Harmonies

Analogous

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



13.1658, 15.2489, 13.7036



12.8353, 15.2489, 15.9025



12.9343, 15.2489, 18.5291

Triad

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



12.8353, 15.2489, 15.9025



15.1513, 15.2489, 21.6846



15.5985, 15.2489, 12.9795

Complementary

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



12.8353, 15.2489, 15.9025



12.8008, 11.7720, 13.1535

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.



16.1735, 15.2489, 14.8161



12.8353, 15.2489, 15.9025



15.9078, 15.2489, 19.8860

Square

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



12.8353, 15.2489, 15.9025



14.2468, 15.2489, 22.0531



16.2890, 15.2489, 17.3247



14.7433, 15.2489, 12.1348

Rectangle

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



12.8353, 15.2489, 15.9025



13.2325, 15.2489, 20.1604



16.2890, 15.2489, 17.3247



15.8325, 15.2489, 13.4916

Sweetspot

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



12.8357, 15.2495, 15.9028



26.3324, 28.6822, 30.9128



12.9436, 15.3925, 11.9620



6.0607, 6.6186, 7.1274



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.



12.8357, 15.2495, 15.9028



21.5340, 26.2886, 27.0730



12.8734, 14.6276, 18.0652



3.4300, 3.7972, 4.0705



8.1425, 13.9745, 9.8371



40.1492, 69.4483, 46.8324

Inverse Universe

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



12.8008, 11.7720, 13.1535



21.4619, 19.0755, 21.3724



12.7526, 12.2505, 11.3656



3.4261, 3.4182, 3.7707



8.1072, 4.1353, 2.3745



40.0220, 20.4541, 9.9139

Previews

White Background



This preview shows how the XYZ color 12.8353, 15.2489, 15.9025 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 12.8353, 15.2489, 15.9025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

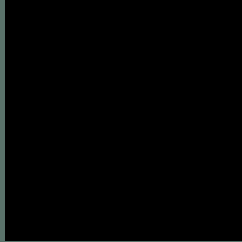
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.8353, 15.2489, 15.9025

Background



This preview shows how black text looks on a background with the XYZ color 12.8353, 15.2489, 15.9025.



This preview shows how white text looks on a background with the XYZ color 12.8353, 15.2489,

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

12.8353, 15.2489, 15.9025

Protanopia

14.4928, 15.1491, 14.9922

Deuteranopia

15.3661, 15.1078, 16.2936



Tritanopia

13.7596, 15.2960, 20.3164

Trichromacy



Original Color

12.8353, 15.2489, 15.9025

Protanomaly

13.7835, 15.0944, 15.2837

Deuteranomaly

14.2007, 14.9748, 16.0519

Tritanomaly

13.4711, 15.3465, 18.7752

Monochromacy



Original Color

12.8353, 15.2489, 15.9025

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.3257, 14.6872, 15.7682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8353, 15.2489, 15.9025 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(90, 114, 106) looks like.

```
.text, #text, p{  
    color:rgb(90, 114, 106)  
}
```

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(90, 114, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 114, 106) }
```

Border

The CSS property to change the border of an element to XYZ 12.8353, 15.2489, 15.9025 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(90, 114, 106) }
```


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

```
.border{ border-color:rgb(90, 114, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 114, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 114, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 114, 106);  
box-shadow:4px 4px 4px 4px rgb(90, 114,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8353, 15.2489, 15.9025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 114, 106) }
```

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

```
.background{ background-color: rgb(90, 114,  
106) }
```

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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