

Converting Colors

XYZ(35.7851, 25.4500, 12.0445)

Have a look what the booklet for
XYZ(35.7851, 25.4500, 12.0445)
contains.

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Color

**XYZ(35.7840, 25.4487,
12.0429)**

Conversions

Conversions Part 1

Format	Color
Hex	DB6757
RGB	219, 103, 87
RGB Percent	86%, 40%, 34%
CMY	0.1412, 0.5961, 0.6588
CMYK	0.00, 0.53, 0.60, 0.14
HSL	7°, 65%, 60%
HSV	7°, 60%, 86%
XYZ	35.7840, 25.4487, 12.0429
YIQ	135.8600, 74.2720, 19.6160

Conversions

Conversions Part 2

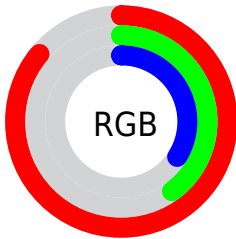
Format	Color
R_{YB}	219, 105, 87
Decimal	14378839
CIE _{Lab}	57.51, 44.18, 30.74
CIE _{LCh}	58, 53.825, 34.825
Yxy	25.4487, 0.4883, 0.3473
Android (android.graphics.Color)	4292568919 (0xFFDB6757)
YUV	135.8600, -24.0880, 72.9138
Hunter-Lab	50.4467, 38.3359, 21.1587

Details

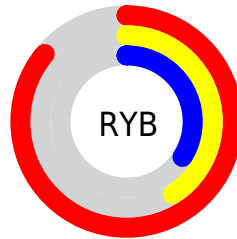
The XYZ color **35.7840, 25.4487, 12.0429** is a dark color, and the websafe version is hex **CC6666**. The color can be described as middle muted orange. A complement of this color would be **38.0711, 49.8495, 74.6329**, and the grayscale version is **23.4180, 24.6376, 26.8303**.

A 20% lighter version of the original color is **57.8123, 47.1801, 29.7265**, and **15.8821, 9.8987, 3.1714** is the 20% darker color. If you saturate the color by 10%, you get **33.3223, 21.7467, 7.4576**, and if you desaturate by 10%, it is **38.9588, 30.1429, 18.2049**.

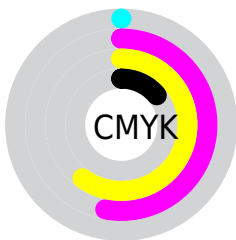
Distribution



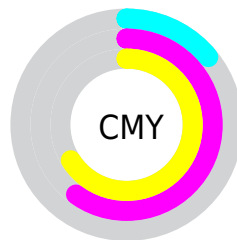
- Red (86%)
- Green (40%)
- Blue (34%)



- Red (86%)
- Yellow (41%)
- Blue (34%)



- Cyan (0%)
- Magenta (53%)
- Yellow (60%)
- Black (14%)





- Cyan (14%)
- Magenta (60%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7840, 25.4487, 12.0429 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 35.7840, 25.4487, 12.0429 by changing the saturation by 10% instead.


 35.7840, 25.4487,
12.0429


 35.7840, 25.4487,
12.0429


319.4632,
280.0652, 215.6771


 24.4368, 16.4117,
6.6500


 68.0246, 52.3842,
30.2388


 15.7844, 9.8159,
3.1691


 89.6487, 71.0515,
43.8788


 9.4616, 5.2771,
1.1816


 115.4290, 93.6976,
61.1051

 5.1030, 2.4107,
0.0000

 145.7311,
120.7070, 82.3359

 2.3432, 0.8314,
0.0000

 180.9202,
152.4641, 107.9900

 0.8166, 0.0000,
0.0000

221.3617,

 0.0000, 0.0000,

189.3532, 138.4859

0.0000

267.4209,
231.7588, 174.2421

■ 35.7840, 25.4487,
12.0429

■ 35.7840, 25.4487,
12.0429

■ 33.3223, 21.7467,
7.4576

■ 38.9588, 30.1429,
18.2049

■ 31.5158, 18.9614,
4.3037

■ 42.8947, 35.8896,
26.0687

■ 30.3003, 17.0130,
2.4110

■ 47.6379, 42.7491,
35.7482

■ 29.5951, 15.8237,
1.4944

■ 53.2302, 50.7758,
47.3474

■ 59.7104, 60.0207,
60.9620

■ 67.1151, 70.5317,
76.6816

■ 75.4786, 82.3540,
94.5903

■ 83.0233, 93.8000,
108.3372

Harmonies

Analogous

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



38.6679, 25.4487, 24.8447



35.7840, 25.4487, 12.0429



29.8199, 25.4487, 6.4661

Triad

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



35.7840, 25.4487, 12.0429



14.6595, 25.4487, 15.2415



25.2399, 25.4487, 79.8737

Complementary

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



35.7840, 25.4487, 12.0429



38.0711, 49.8495, 74.6329

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.



19.3144, 25.4487, 73.5119



35.7840, 25.4487, 12.0429



13.8670, 25.4487, 30.7861

Square

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



35.7840, 25.4487, 12.0429



17.8096, 25.4487, 7.6581



15.4146, 25.4487, 53.1546



31.9327, 25.4487, 67.9669

Rectangle

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



35.7840, 25.4487, 12.0429



25.3172, 25.4487, 5.3243



15.4146, 25.4487, 53.1546



23.0933, 25.4487, 79.8357

Sweetspot

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



35.7846, 25.4501, 12.0433



76.9764, 74.2993, 70.6706



43.4727, 26.2170, 59.6445



15.9362, 15.1309, 13.9981



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



35.7846, 25.4501, 12.0433



46.3630, 29.6658, 9.3112



45.0103, 43.9014, 15.1186



13.1826, 13.3046, 13.5988



17.5908, 9.4672, 0.9002



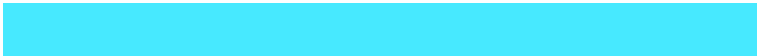
1.1826, 0.6993, 0.0727

Inverse Universe

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



38.0711, 49.8495, 74.6329



49.7424, 66.7036, 104.8611



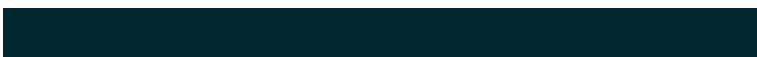
25.7480, 25.2033, 70.5252



13.3031, 14.5460, 16.7586



18.8706, 25.6105, 43.6871



1.2613, 1.7367, 2.8432

Previews

White Background



This preview shows how the XYZ color 35.7840, 25.4487, 12.0429 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 35.7840, 25.4487, 12.0429 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 35.7840, 25.4487, 12.0429

Background



This preview shows how black text looks on a background with the XYZ color 35.7840, 25.4487, 12.0429.



This preview shows how white text looks on a background with the XYZ color 35.7840, 25.4487,

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

35.7840, 25.4487, 12.0429

Protanopia

23.8319, 25.5061, 15.9790

Deuteranopia

25.9227, 25.4366, 11.5261



Tritanopia

36.7262, 25.3915, 16.8753

Trichromacy



Original Color

35.7840, 25.4487, 12.0429

Protanomaly

26.9005, 24.5104, 14.3795

Deuteranomaly

28.9311, 24.8796, 11.6649

Tritanomaly

36.4691, 25.4431, 15.0455

Monochromacy



Original Color

35.7840, 25.4487, 12.0429

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

26.2036, 23.8303, 20.3582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7840, 25.4487, 12.0429 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(219, 103, 87)` looks like.

```
.text, #text, p{  
    color:rgb(219, 103, 87)  
}
```

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(219, 103, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 103, 87) }
```

Border

The CSS property to change the border of an element to XYZ 35.7840, 25.4487, 12.0429 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(219, 103, 87) }
```


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

```
.border{ border-color:rgb(219, 103, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 103, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 103, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 103, 87);  
box-shadow:4px 4px 4px 4px rgb(219, 103,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7840, 25.4487, 12.0429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 103, 87) }
```

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

```
.background{ background-color: rgb(219,  
103, 87) }
```

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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