

Converting Colors

XYZ(35.9090, 23.6249, 2.8012)

Have a look what the booklet for
XYZ(35.9090, 23.6249, 2.8012)
contains.

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Color

**XYZ(35.7487, 23.4854,
2.7925)**

Conversions

Conversions Part 1

Format	Color
Hex	E55705
RGB	229, 87, 5
RGB Percent	90%, 34%, 2%
CMY	0.1020, 0.6588, 0.9804
CMYK	0.00, 0.62, 0.98, 0.10
HSL	22°, 96%, 46%
HSV	22°, 98%, 90%
XYZ	35.7487, 23.4854, 2.7925
YIQ	120.1100, 110.9540, 4.6020

Conversions

Conversions Part 2

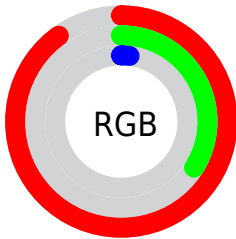
Format	Color
R_{YB}	229, 134, 5
Decimal	15030021
CIE _{Lab}	55.57, 52.43, 64.41
CIE _{LCh}	56, 83.057, 50.854
Yxy	23.4854, 0.5763, 0.3786
Android (android.graphics.Color)	4293220101 (0xFFE55705)
YUV	120.1100, -56.7492, 95.4965
Hunter-Lab	48.4617, 46.8658, 30.5068

Details

The XYZ color **35.7487, 23.4854, 2.7925** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **24.6379, 26.5545, 77.9551**, and the grayscale version is **18.0402, 18.9797, 20.6688**.

A 20% lighter version of the original color is **51.8964, 40.9993, 10.3327**, and **15.9564, 8.8781, 0.8726** is the 20% darker color. If you saturate the color by 10%, you get **35.4706, 22.9734, 2.5648**, and if you desaturate by 10%, it is **37.2262, 26.1510, 4.1781**.

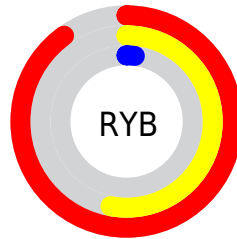
Distribution



Red (90%)

Green (34%)

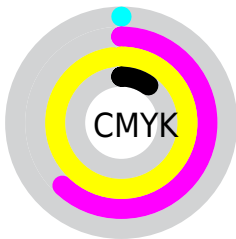
Blue (2%)



Red (90%)

Yellow (53%)

Blue (2%)

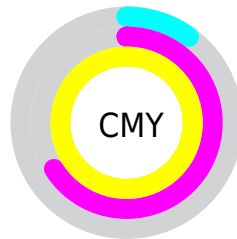


Cyan (0%)

Magenta (62%)

Yellow (98%)

Black (10%)



Cyan (10%)


Magenta (66%)

Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.7487, 23.4854, 2.7925 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 35.7487, 23.4854, 2.7925 by changing the saturation by 10% instead.

 35.7487, 23.4854,
2.7925


 35.7487, 23.4854,
2.7925

319.3113,
270.2084, 133.6723


 24.4094, 14.9523,
0.9897


 67.9704, 49.1891,
11.1120

 15.7640, 8.7859,
0.0000


 89.5835, 67.1286,
18.4657


 9.4471, 4.6018,
0.0000


 115.3520, 88.9723,
28.5069

 5.0933, 2.0156,
0.0000

 145.6411,
115.1046, 41.6539

 2.3375, 0.6165,
0.0000

 180.8162,
145.9100, 58.3255


 0.8137, 0.0000,
0.0000


 221.2427,

 0.0000, 0.0000,


181.7729, 78.9400


0.0000


 267.2859,
223.0775, 103.9161


 35.7487, 23.4854,
2.7925


 35.7487, 23.4854,
2.7925


 35.4706, 22.9734,
2.5648

 37.2262, 26.1510,
4.1781

 39.1562, 29.3955,
6.7194

 41.5959, 33.2623,
10.6541

 44.5887, 37.7869,
16.1559

 48.1727, 43.0016,
23.3726

■ 52.3822, 48.9361,
32.4347

■ 57.2484, 55.6184,
43.4599

■ 62.8004, 63.0747,
56.5561

■ 69.0654, 71.3299,
71.8231

Harmonies

Analogous

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



43.7658, 23.4854, 11.2422



35.7487, 23.4854, 2.7925



25.3124, 23.4854, 0.9653

Triad

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



35.7487, 23.4854, 2.7925



8.8338, 23.4854, 18.2109



29.3756, 23.4854, 110.5413

Complementary

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



35.7487, 23.4854, 2.7925



24.6379, 26.5545, 77.9551

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.



19.5773, 23.4854, 117.9351



35.7487, 23.4854, 2.7925



9.3570, 23.4854, 48.7105

Square

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



35.7487, 23.4854, 2.7925



11.0556, 23.4854, 4.8633



12.7649, 23.4854, 90.1607



39.4282, 23.4854, 73.9833

Rectangle

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



35.7487, 23.4854, 2.7925



19.0961, 23.4854, 0.9957



12.7649, 23.4854, 90.1607



25.8925, 23.4854, 117.1958

Sweetspot

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



35.7492, 23.4868, 2.7929



72.1716, 69.7703, 53.4061



37.9207, 18.9879, 30.7747



14.8656, 14.1371, 10.1036



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.



35.7492, 23.4868, 2.7929



45.1858, 29.1516, 3.2453



51.9450, 55.8784, 8.1915



14.8069, 15.2277, 15.0633



20.3855, 13.3451, 1.5014



1.5926, 1.1585, 0.1397

Inverse Universe

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



24.6379, 26.5545, 77.9551



30.9075, 32.9350, 99.3358



14.9179, 7.1144, 74.7151



14.3406, 15.4026, 18.3615



14.0081, 15.0782, 44.5553



1.1229, 1.2898, 3.3217

Previews

White Background



This preview shows how the XYZ color 35.7487, 23.4854, 2.7925 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 35.7487, 23.4854, 2.7925 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 35.7487, 23.4854, 2.7925

Background



This preview shows how black text looks on a background with the XYZ color 35.7487, 23.4854, 2.7925.



This preview shows how white text looks on a background with the XYZ color 35.7487, 23.4854,

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

35.7487, 23.4854, 2.7925

Protanopia

21.4525, 23.6955, 4.3072

Deuteranopia

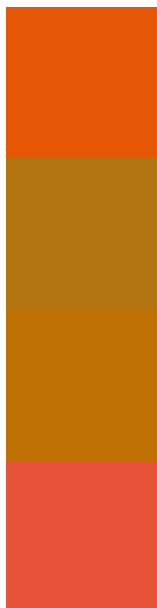
23.9516, 23.6138, 3.2955



Tritanopia

37.5771, 23.5457, 11.3683

Trichromacy



Original Color

35.7487, 23.4854, 2.7925

Protanomaly

25.0529, 22.3468, 3.5232

Deuteranomaly

27.2910, 22.6691, 2.9946

Tritanomaly

36.4649, 23.3049, 6.4473

Monochromacy



Original Color

35.7487, 23.4854, 2.7925

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

21.2349, 18.7488, 9.7074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7487, 23.4854, 2.7925 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(229, 87, 5)` looks like.

```
.text, #text, p{  
    color:rgb(229, 87, 5)  
}
```

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(229, 87, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 87, 5) }
```

Border

The CSS property to change the border of an element to XYZ 35.7487, 23.4854, 2.7925 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(229, 87, 5) }
```


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

```
.border{ border-color:rgb(229, 87, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 87, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 87, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 87, 5);  
box-shadow:4px 4px 4px 4px rgb(229, 87, 5)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.7487, 23.4854, 2.7925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 87, 5) }
```

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

```
.background{ background-color: rgb(229, 87,  
5) }
```

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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