

Converting Colors

XYZ(25.8666, 34.0010, 15.6590)

Have a look what the booklet for
XYZ(25.8666, 34.0010, 15.6590)
contains.

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Color

**XYZ(25.8099, 33.8639,
15.5320)**

Conversions

Conversions Part 1

Format	Color
Hex	86A85D
RGB	134, 168, 93
RGB Percent	53%, 66%, 36%
CMY	0.4745, 0.3412, 0.6353
CMYK	0.20, 0.00, 0.45, 0.34
HSL	87°, 30%, 51%
HSV	87°, 45%, 66%
XYZ	25.8099, 33.8639, 15.5320
YIQ	149.2840, 3.8110, -30.5330

Conversions

Conversions Part 2

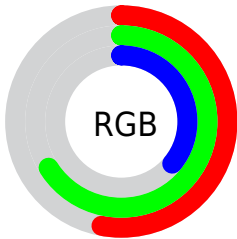
Format	Color
RYB	93, 168, 127
Decimal	8824925
CIELab	64.85, -24.73, 34.90
CIELCh	65, 42.776, 125.317
Yxy	33.8639, 0.3432, 0.4503
Android (android.graphics.Color)	4287015005 (0xFF86A85D)
YUV	149.2840, -27.7480, -13.4041
Hunter-Lab	58.1927, -22.6681, 24.9100

Details

The XYZ color **25.8099, 33.8639, 15.5320** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.7361, 15.1689, 38.9354**, and the grayscale version is **28.7996, 30.2994, 32.9961**.

A 20% lighter version of the original color is **52.2375, 65.5111, 36.6798**, and **10.1797, 14.4665, 4.6387** is the 20% darker color. If you saturate the color by 10%, you get **23.9757, 32.9961, 11.9795**, and if you desaturate by 10%, it is **27.8968, 34.8451, 19.9510**.

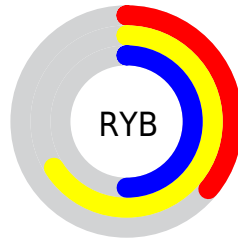
Distribution



Red (53%)

Green (66%)

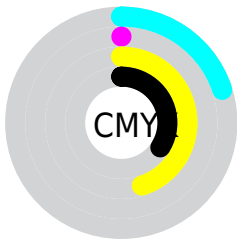
Blue (36%)



Red (36%)

Yellow (66%)

Blue (50%)

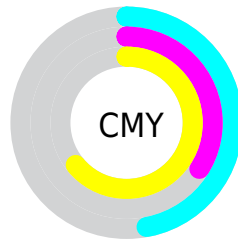


Cyan (20%)

Magenta (0%)

Yellow (45%)

Black (34%)



Cyan (47%)


Magenta (34%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.8099, 33.8639, 15.5320 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 25.8099, 33.8639, 15.5320 by changing the saturation by 10% instead.


 25.8099, 33.8639,
15.5320


 25.8099, 33.8639,
15.5320


274.1215,
319.5248, 238.3148


 16.8134, 22.7891,
9.0428


 52.4016, 65.7220,
36.5392

 10.1960, 14.4378,
4.6719


 70.7275, 87.2740,
51.8944

 5.5924, 8.4258,
2.0007


 92.8940, 113.0872,
71.0419

 2.6371, 4.3686,
0.5557

 119.2663,
143.5460, 94.4004

 0.9649, 1.8818,
0.0000

150.2099,
179.0347, 122.3884

 0.0000, 0.5374,
0.0000

186.0900,

 0.0000, 0.0000,

219.9378, 155.4244

0.0000

227.2721,
266.6397, 193.9270

■ 25.8099, 33.8639,
15.5320

■ 25.8099, 33.8639,
15.5320

■ 23.9757, 32.9961,
11.9795

■ 27.8968, 34.8451,
19.9510

■ 22.3789, 32.2321,
9.2344

■ 30.2454, 35.9402,
25.2863

■ 21.0065, 31.5674,
7.2333


■ 32.8674, 37.1552,
31.5865


■ 19.8424, 30.9955,
5.9026


■ 35.7729, 38.4943,
38.8959


■ 18.8676, 30.5086,
5.1528


■ 38.9714, 39.9614,
47.2564

 18.4005, 30.2735,
4.8736

 42.4719, 41.5605,
56.7074

 46.2832, 43.2950,
67.2860

 50.4134, 45.1686,
79.0280

 54.8705, 47.1846,
91.9673

Harmonies

Analogous

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



31.1009, 33.8639, 12.3500



25.8099, 33.8639, 15.5320



22.5742, 33.8639, 24.4365

Triad

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



25.8099, 33.8639, 15.5320



27.4867, 33.8639, 77.1106



45.4881, 33.8639, 33.8155

Complementary

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



25.8099, 33.8639, 15.5320



19.7361, 15.1689, 38.9354

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.



44.2009, 33.8639, 52.9401



25.8099, 33.8639, 15.5320



33.2974, 33.8639, 82.0451

Square

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



25.8099, 33.8639, 15.5320



23.4523, 33.8639, 60.1802



39.5356, 33.8639, 72.0807



42.8580, 33.8639, 20.5251

Rectangle

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



25.8099, 33.8639, 15.5320



21.7606, 33.8639, 34.1696



39.5356, 33.8639, 72.0807



45.5025, 33.8639, 39.7133

Sweetspot

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



25.8107, 33.8654, 15.5327



60.3486, 67.7476, 59.0656



25.6827, 24.2306, 13.6798



12.9197, 14.6581, 12.2979



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



25.8107, 33.8654, 15.5327



43.3972, 59.8218, 21.5401



20.8826, 31.3249, 15.3021



7.8139, 8.6022, 8.0378



13.9544, 22.8910, 3.6829



0.3973, 0.5867, 0.0923

Inverse Universe

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



19.7361, 15.1689, 38.9354



30.9023, 21.3398, 69.7154



26.3451, 18.5759, 39.2447



7.4427, 7.4608, 9.4662



7.6558, 3.3302, 28.2148



0.2456, 0.1116, 0.6892

Previews

White Background



This preview shows how the XYZ color 25.8099, 33.8639, 15.5320 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 25.8099, 33.8639, 15.5320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

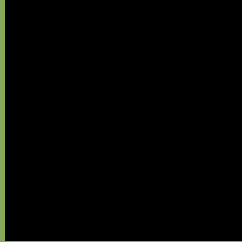
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 25.8099, 33.8639, 15.5320

Background



This preview shows how black text looks on a background with the XYZ color 25.8099, 33.8639, 15.5320.



This preview shows how white text looks on a background with the XYZ color 25.8099, 33.8639,

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

25.8099, 33.8639, 15.5320

Protanopia

30.8734, 33.6059, 14.3106

Deuteranopia

34.2992, 33.6229, 15.9914



Tritanopia

31.5216, 33.7946, 43.8914

Trichromacy



Original Color

25.8099, 33.8639, 15.5320

Protanomaly

28.6909, 33.4970, 14.6263

Deuteranomaly

30.7459, 33.5045, 15.9129

Tritanomaly

28.8628, 33.4866, 30.9289

Monochromacy



Original Color

25.8099, 33.8639, 15.5320

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

27.3525, 31.2912, 25.3671

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8099, 33.8639, 15.5320 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(134, 168, 93)` looks like.

```
.text, #text, p{  
    color:rgb(134, 168, 93)  
}
```

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(134, 168, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 168, 93) }
```

Border

The CSS property to change the border of an element to XYZ 25.8099, 33.8639, 15.5320 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(134, 168, 93) }
```


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

```
.border{ border-color:rgb(134, 168, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 168, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 168, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 168, 93);  
box-shadow:4px 4px 4px 4px rgb(134, 168,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8099, 33.8639, 15.5320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 168, 93) }
```

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

```
.background{ background-color: rgb(134,  
168, 93) }
```

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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