

Converting Colors

XYZ(18.3715, 13.9957, 6.3800)

Have a look what the booklet for
XYZ(18.3715, 13.9957, 6.3800)
contains.

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Color

**XYZ(18.2885, 13.9163,
6.4248)**

Conversions

Conversions Part 1

Format	Color
Hex	9F533F
RGB	159, 83, 63
RGB Percent	62%, 33%, 25%
CMY	0.3765, 0.6745, 0.7529
CMYK	0.00, 0.48, 0.60, 0.38
HSL	13°, 43%, 44%
HSV	13°, 60%, 62%
XYZ	18.2885, 13.9163, 6.4248
YIQ	103.4440, 51.7160, 9.8920

Conversions

Conversions Part 2

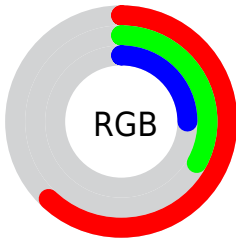
Format	Color
R _Y B	159, 88, 63
Decimal	10441535
CIE Lab	44.11, 29.55, 25.78
CIE LCh	44, 39.216, 41.100
Yxy	13.9163, 0.4734, 0.3602
Android (android.graphics.Color)	4288631615 (0xFF9F533F)
YUV	103.4440, -19.9389, 48.7226
Hunter-Lab	37.3046, 22.2264, 15.9019

Details

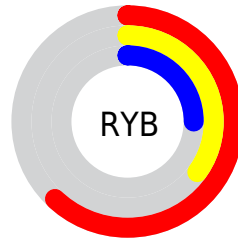
The XYZ color **18.2885, 13.9163, 6.4248** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **17.5398, 22.0238, 36.1272**, and the grayscale version is **13.0519, 13.7316, 14.9537**.

A 20% lighter version of the original color is **40.0096, 32.9496, 19.2901**, and **6.3208, 4.1361, 1.1270** is the 20% darker color. If you saturate the color by 10%, you get **17.0295, 12.0098, 4.1205**, and if you desaturate by 10%, it is **19.8514, 16.2254, 9.4637**.

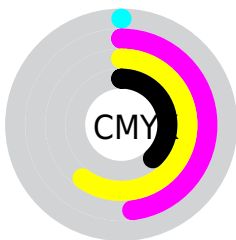
Distribution



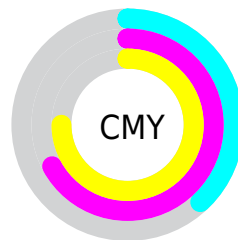
- Red (62%)
- Green (33%)
- Blue (25%)



- Red (62%)
- Yellow (35%)
- Blue (25%)



- Cyan (0%)
- Magenta (48%)
- Yellow (60%)
- Black (38%)



- Cyan (38%)
- Magenta (67%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2885, 13.9163, 6.4248 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 18.2885, 13.9163, 6.4248 by changing the saturation by 10% instead.

■ 18.2885, 13.9163,
6.4248

■ 18.2885, 13.9163,
6.4248

235.5064,
216.7095, 172.2402

■ 11.2583, 8.0625,
3.0321

■ 40.0546, 32.9404,
19.2991

■ 6.3094, 4.1350,
1.1111

■ 55.5211, 46.8795,
29.6178

■ 3.0765, 1.7493,
0.0000

■ 74.5304, 64.2825,
43.0823

■ 1.1944, 0.4553,
0.0000

■ 97.4479, 85.5338,
60.1111

■ 0.1019, 0.0000,
0.0000

■ 124.6388,
111.0177, 81.1228

■ 0.0000, 0.0000,
0.0000

■ 156.4687,

141.1187, 106.5358

193.3028,
176.2212, 136.7688

■ 18.2885, 13.9163,
6.4248

■ 18.2885, 13.9163,
6.4248

■ 17.0295, 12.0098,
4.1205

■ 19.8514, 16.2254,
9.4637

■ 16.0525, 10.4800,
2.4870

■ 21.7359, 18.9563,
13.2923

■ 15.3341, 9.3017,
1.4505

■ 23.9596, 22.1297,
17.9613

■ 14.8455, 8.4660,
0.8516

■ 26.5385, 25.7643,
23.5167

■ 29.4875, 29.8778,
30.0014

■ 32.8207, 34.4866,
37.4555

■ 36.5513, 39.6067,
45.9165

■ 40.6921, 45.2533,
55.4201

■ 45.2551, 51.4407,
66.0002

Harmonies

Analogous

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



20.0390, 13.9163, 12.0764



18.2885, 13.9163, 6.4248



15.2693, 13.9163, 4.0099

Triad

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



18.2885, 13.9163, 6.4248



8.3198, 13.9163, 10.2361



14.4173, 13.9163, 39.0732

Complementary

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



18.2885, 13.9163, 6.4248



17.5398, 22.0238, 36.1272

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.



11.3755, 13.9163, 37.9456



18.2885, 13.9163, 6.4248



8.1656, 13.9163, 18.7111

Square

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



18.2885, 13.9163, 6.4248



9.6587, 13.9163, 5.5356



9.1979, 13.9163, 29.5051



17.5809, 13.9163, 32.1606

Rectangle

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



18.2885, 13.9163, 6.4248



13.1120, 13.9163, 3.6409



9.1979, 13.9163, 29.5051



13.3427, 13.9163, 39.6754

Sweetspot

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



18.2888, 13.9170, 6.4251



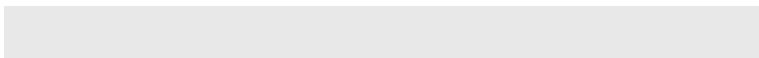
48.5484, 47.5703, 44.3422



20.7944, 12.8135, 26.1109



10.6340, 10.2887, 9.3184



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



18.2888, 13.9170, 6.4251



29.9238, 20.6199, 6.3838



23.2044, 23.7483, 8.0636



6.7395, 6.8590, 6.9544



11.7512, 6.7381, 0.6812



0.2365, 0.1733, 0.0210

Inverse Universe

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



17.5398, 22.0238, 36.1272



28.3821, 36.2562, 64.2457



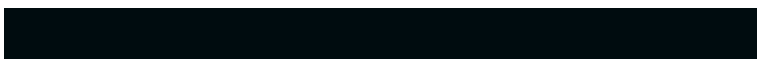
12.1178, 11.1797, 34.3199



6.7044, 7.2746, 8.4575



10.8527, 13.7970, 27.9983



0.2212, 0.3010, 0.5097

Previews

White Background



This preview shows how the XYZ color 18.2885, 13.9163, 6.4248 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 18.2885, 13.9163, 6.4248 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 18.2885, 13.9163, 6.4248

Background



This preview shows how black text looks on a background with the XYZ color 18.2885, 13.9163, 6.4248.



This preview shows how white text looks on a background with the XYZ color 18.2885, 13.9163,

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

18.2885, 13.9163, 6.4248

Protanopia

12.9990, 14.0688, 7.9917

Deuteranopia

14.2749, 14.0298, 6.2306



Tritanopia

19.0456, 13.8828, 10.4799

Trichromacy



Original Color

18.2885, 13.9163, 6.4248

Protanomaly

14.5240, 13.7126, 7.3501

Deuteranomaly

15.4925, 13.8313, 6.2680

Tritanomaly

18.8148, 13.9085, 8.9007

Monochromacy



Original Color

18.2885, 13.9163, 6.4248

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

14.1127, 13.2813, 11.0522

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2885, 13.9163, 6.4248 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(159, 83, 63)` looks like.

```
.text, #text, p{  
    color:rgb(159, 83, 63)  
}
```

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(159, 83, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 83, 63) }
```

Border

The CSS property to change the border of an element to XYZ 18.2885, 13.9163, 6.4248 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(159, 83, 63) }
```


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

```
.border{ border-color:rgb(159, 83, 63) }
```

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

Here you see how a box with a 4 pixel rgb(159, 83, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 83, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 83, 63);  
box-shadow:4px 4px 4px 4px rgb(159, 83,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2885, 13.9163, 6.4248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 83, 63) }
```

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

```
.background{ background-color: rgb(159, 83,  
63) }
```

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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