

Converting Colors

XYZ(23.8785, 33.5204, 20.3804)

Have a look what the booklet for
XYZ(23.8785, 33.5204, 20.3804)
contains.

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Color

**XYZ(23.8626, 33.5885,
20.2645)**

Conversions

Conversions Part 1

Format	Color
Hex	6EAB6F
RGB	110, 171, 111
RGB Percent	43%, 67%, 44%
CMY	0.5686, 0.3294, 0.5647
CMYK	0.36, 0.00, 0.35, 0.33
HSL	121°, 27%, 55%
HSV	121°, 36%, 67%
XYZ	23.8626, 33.5885, 20.2645
YIQ	145.9210, -17.0960, -31.5920

Conversions

Conversions Part 2

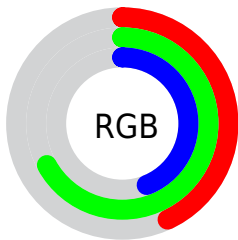
Format	Color
RYB	110, 170, 171
Decimal	7252847
CIELab	64.63, -32.14, 24.84
CIElCh	65, 40.617, 142.302
Yxy	33.5885, 0.3071, 0.4322
Android (android.graphics.Color)	4285442927 (0xFF6EAB6F)
YUV	145.9210, -17.2161, -31.5027
Hunter-Lab	57.9556, -27.9268, 19.8378

Details

The XYZ color **23.8626, 33.5885, 20.2645** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **29.6273, 22.7128, 40.8540**, and the grayscale version is **27.3633, 28.7883, 31.3505**.

A 20% lighter version of the original color is **49.3898, 65.4750, 44.6852**, and **9.0929, 14.2042, 6.8199** is the 20% darker color. If you saturate the color by 10%, you get **21.0963, 32.2605, 15.7476**, and if you desaturate by 10%, it is **27.2156, 35.2008, 25.7206**.

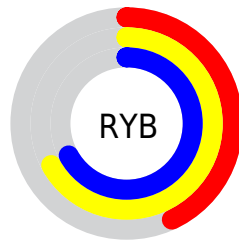
Distribution



Red (43%)

Green (67%)

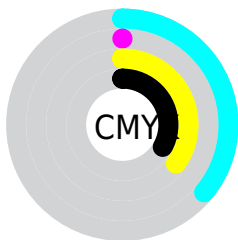
Blue (44%)



Red (43%)

Yellow (67%)

Blue (67%)

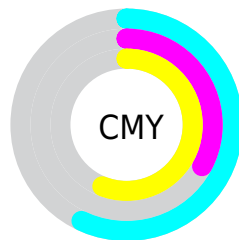


Cyan (36%)

Magenta (0%)

Yellow (35%)

Black (33%)



Cyan (57%)

Magenta (33%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8626, 33.5885, 20.2645 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 23.8626, 33.5885, 20.2645 by changing the saturation by 10% instead.

■ 23.8626, 33.5885,
20.2645

■ 23.8626, 33.5885,
20.2645

264.5785,
318.2933, 265.9949

■ 15.3559, 22.5777,
12.4015

■ 49.2622, 65.2932,
44.7250

■ 9.1575, 14.2820,
6.8919

■ 66.8858, 86.7559,
62.1595

■ 4.9020, 8.3170,
3.3171

■ 88.2791, 112.4713,
83.6216

■ 2.2240, 4.2985,
1.2588

■ 113.8075,
142.8239, 109.5299

■ 0.7554, 1.8419,
0.0276

143.8362,
178.1980, 140.3028

■ 0.0000, 0.5131,
0.0000

178.7308,

■ 0.0000, 0.0000,

218.9780, 176.3589

0.0000

218.8564,
265.5483, 218.1167

■ 23.8626, 33.5885,
20.2645

■ 23.8626, 33.5885,
20.2645

■ 21.0963, 32.2605,
15.7476

■ 27.2156, 35.2008,
25.7206

■ 18.8806, 31.1964,
12.1148

■ 31.1837, 37.1079,
32.1624

■ 17.1795, 30.3798,
9.3090


■ 35.7963, 39.3251,
39.6358


■ 15.9515, 29.7907,
7.2651


■ 41.0803, 41.8654,
48.1833


■ 15.1489, 29.4062,
5.9085


■ 47.0612, 44.7410,
57.8452


 14.7114, 29.1969,
5.1497

 53.7629, 47.9635,
68.6593

 14.5789, 29.1332,
4.9354

 61.2083, 51.5438,
80.6620

 69.4194, 55.4925,
93.8878

 73.8536, 57.6071,
101.8345

Harmonies

Analogous

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



27.8630, 33.5885, 14.2098



23.8626, 33.5885, 20.2645



22.0683, 33.5885, 32.4445

Triad

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



23.8626, 33.5885, 20.2645



30.4490, 33.5885, 78.4214



43.4398, 33.5885, 25.7067

Complementary

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



23.8626, 33.5885, 20.2645



29.6273, 22.7128, 40.8540

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.



44.3504, 33.5885, 41.0359



23.8626, 33.5885, 20.2645



36.3634, 33.5885, 74.9665

Square

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



23.8626, 33.5885, 20.2645



25.5582, 33.5885, 68.2495



41.6249, 33.5885, 59.8832



39.2696, 33.5885, 16.6207

Rectangle

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



23.8626, 33.5885, 20.2645



22.1906, 33.5885, 43.8358



41.6249, 33.5885, 59.8832



44.1562, 33.5885, 30.1588

Sweetspot

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



23.8635, 33.5899, 20.2652



59.3999, 68.1637, 63.3597



34.1734, 38.9112, 20.4617



13.0094, 15.0868, 13.7454



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



23.8635, 33.5899, 20.2652



38.6504, 58.1922, 29.6239



25.7649, 34.3505, 30.2779



7.9096, 8.9414, 8.5491



10.9918, 21.9620, 3.7306



0.3075, 0.6116, 0.1127

Inverse Universe

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



29.6273, 22.7128, 40.8540



50.5535, 35.7266, 72.1398



27.1421, 21.7187, 27.7672



8.3313, 8.1458, 10.0556



18.0045, 8.6644, 28.7330



0.5026, 0.2417, 0.8086

Previews

White Background



This preview shows how the XYZ color 23.8626, 33.5885, 20.2645 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 23.8626, 33.5885, 20.2645 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 23.8626, 33.5885, 20.2645

Background



This preview shows how black text looks on a background with the XYZ color 23.8626, 33.5885, 20.2645.



This preview shows how white text looks on a background with the XYZ color 23.8626, 33.5885,

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

23.8626, 33.5885, 20.2645

Protanopia

30.8005, 33.2319, 18.1556

Deuteranopia

33.8259, 33.2640, 21.1608



Tritanopia

28.9597, 33.4665, 46.0076

Trichromacy



Original Color

23.8626, 33.5885, 20.2645

Protanomaly

27.6115, 32.8472, 18.7948

Deuteranomaly

29.1687, 32.8367, 20.7204

Tritanomaly

26.7749, 33.3910, 34.7397

Monochromacy



Original Color

23.8626, 33.5885, 20.2645

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

25.6278, 30.1227, 26.6538

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8626, 33.5885, 20.2645 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(110, 171, 111)` looks like.

```
.text, #text, p{  
    color:rgb(110, 171, 111)  
}
```

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(110, 171, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 171, 111) }
```

Border

The CSS property to change the border of an element to XYZ 23.8626, 33.5885, 20.2645 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(110, 171, 111) }
```


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

```
.border{ border-color:rgb(110, 171, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 171, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 171, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 171, 111);  
box-shadow:4px 4px 4px 4px rgb(110, 171,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8626, 33.5885, 20.2645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 171, 111) }
```

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

```
.background{ background-color: rgb(110,  
171, 111) }
```

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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