

Converting Colors

XYZ(23.6683, 23.9281, 20.5390)

Have a look what the booklet for
XYZ(23.6683, 23.9281, 20.5390)
contains.

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Color

**XYZ(23.5991, 23.8365,
20.4966)**

Conversions

Conversions Part 1

Format	Color
Hex	948376
RGB	148, 131, 118
RGB Percent	58%, 51%, 46%
CMY	0.4196, 0.4863, 0.5373
CMYK	0.00, 0.11, 0.20, 0.42
HSL	26°, 12%, 52%
HSV	26°, 20%, 58%
XYZ	23.5991, 23.8365, 20.4966
YIQ	134.6010, 14.3050, -0.4390

Conversions

Conversions Part 2

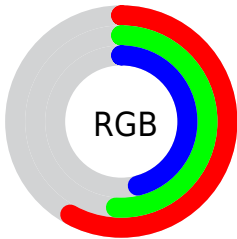
Format	Color
R_{YB}	148, 141, 118
Decimal	9732982
CIE _{Lab}	55.92, 4.24, 9.38
CIE _{LCh}	56, 10.299, 65.665
Yxy	23.8365, 0.3474, 0.3509
Android (android.graphics.Color)	4287923062 (0xFF948376)
YUV	134.6010, -8.1843, 11.7509
Hunter-Lab	48.8226, 0.8408, 9.2849

Details

The XYZ color **23.5991, 23.8365, 20.4966** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.4804, 23.3172, 31.3858**, and the grayscale version is **22.9075, 24.1005, 26.2455**.

A 20% lighter version of the original color is **48.7533, 49.7398, 45.0614**, and **9.0525, 9.0182, 7.0579** is the 20% darker color. If you saturate the color by 10%, you get **21.7069, 21.3507, 15.8619**, and if you desaturate by 10%, it is **25.7218, 26.5620, 25.8896**.

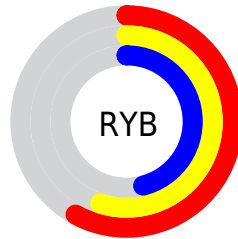
Distribution



Red (58%)

Green (51%)

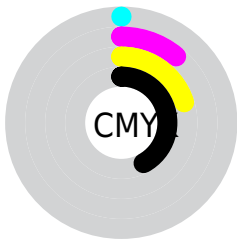
Blue (46%)



Red (58%)

Yellow (55%)

Blue (46%)

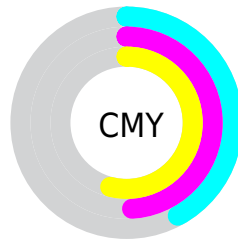


Cyan (0%)

Magenta (11%)

Yellow (20%)

Black (42%)



Cyan (42%)

Magenta (49%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5991, 23.8365, 20.4966 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 23.5991, 23.8365, 20.4966 by changing the saturation by 10% instead.

■ 23.5991, 23.8365,
20.4966

■ 23.5991, 23.8365,
20.4966

263.2656,
271.9928, 267.2836

■ 15.1596, 15.2124,
12.5689

■ 48.8346, 49.7633,
45.1181

■ 9.0185, 8.9686,
7.0051

■ 66.3614, 67.8347,
62.6489

■ 4.8105, 4.7207,
3.3868

■ 87.6480, 89.8240,
84.2179

■ 2.1701, 2.0843,
1.2954

113.0598,
116.1156, 110.2435

■ 0.7269, 0.6558,
0.0580

142.9621,
147.0939, 141.1444

■ 0.0000, 0.0000,
0.0000

177.7202,

183.1433, 177.3390

217.6996,
224.6481, 219.2459

■ 23.5991, 23.8365,
20.4966

■ 23.5991, 23.8365,
20.4966

■ 21.7069, 21.3507,
15.8619

■ 25.7218, 26.5620,
25.8896

■ 20.0346, 19.0945,
11.9495

■ 28.0812, 29.5306,
32.0716

■ 18.5738, 17.0617,
8.7225

■ 30.6855, 32.7495,
39.0737

■ 17.3147, 15.2447,
6.1406

■ 33.5420, 36.2248,
46.9244

■ 16.2463, 13.6354,
4.1585

■ 36.6577, 39.9622,
55.6514

■ 15.3567, 12.2248,
2.7257

■ 40.0392, 43.9676,
65.2806

■ 14.6321, 11.0032,
1.7825

■ 43.6931, 48.2461,
75.8371

■ 14.0546, 9.9794,
1.1855

■ 47.6255, 52.8032,
87.3450

■ 51.8423, 57.6439,
99.8275

Harmonies

Analogous

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



24.5402, 23.8365, 22.3633



23.5991, 23.8365, 20.4966



22.4337, 23.8365, 20.0362

Triad

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



23.5991, 23.8365, 20.4966



20.4825, 23.8365, 26.5974



23.9980, 23.8365, 31.5700

Complementary

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



23.5991, 23.8365, 20.4966



21.4804, 23.3172, 31.3858

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.



22.8795, 23.8365, 32.9352



23.5991, 23.8365, 20.4966



20.8705, 23.8365, 29.9096

Square

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



23.5991, 23.8365, 20.4966



20.6602, 23.8365, 23.3794



21.7381, 23.8365, 32.3029



24.7761, 23.8365, 28.7108

Rectangle

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



23.5991, 23.8365, 20.4966



21.6920, 23.8365, 20.5508



21.7381, 23.8365, 32.3029



23.6479, 23.8365, 32.2296

Sweetspot

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



23.5997, 23.8376, 20.4971



47.0605, 48.9877, 50.0352



23.0647, 21.0024, 25.7602



10.6889, 11.1148, 11.2810



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



23.5997, 23.8376, 20.4971



40.1859, 40.1624, 32.5639



25.7620, 28.1620, 21.2178



5.9952, 6.2042, 6.1220



12.0309, 8.5763, 1.0213



0.1757, 0.1618, 0.0220

Inverse Universe

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



21.4804, 23.3172, 31.3858



35.8006, 39.0846, 55.0918



19.5333, 19.4229, 30.7368



5.7557, 6.1454, 7.3526



7.2914, 7.2775, 24.9514



0.1186, 0.1478, 0.3152

Previews

White Background



This preview shows how the XYZ color 23.5991, 23.8365, 20.4966 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 23.5991, 23.8365, 20.4966 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 23.5991, 23.8365, 20.4966

Background



This preview shows how black text looks on a background with the XYZ color 23.5991, 23.8365, 20.4966.



This preview shows how white text looks on a background with the XYZ color 23.5991, 23.8365,

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

23.5991, 23.8365, 20.4966

Protanopia

22.6701, 23.9576, 20.8822

Deuteranopia

24.2571, 23.7808, 20.4512



Tritanopia

25.0691, 23.8526, 27.3275

Trichromacy



Original Color

23.5991, 23.8365, 20.4966

Protanomaly

23.0450, 23.9466, 20.8603

Deuteranomaly

24.0151, 23.8526, 20.4778

Tritanomaly

24.5247, 23.8232, 24.7785

Monochromacy



Original Color

23.5991, 23.8365, 20.4966

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.3028, 24.2106, 24.2138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5991, 23.8365, 20.4966 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(148, 131, 118)` looks like.

```
.text, #text, p{  
    color:rgb(148, 131, 118)  
}
```

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(148, 131, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 131, 118) }
```

Border

The CSS property to change the border of an element to XYZ 23.5991, 23.8365, 20.4966 is called "border". The border property can be set on classes, ids or directly on the HTML element.

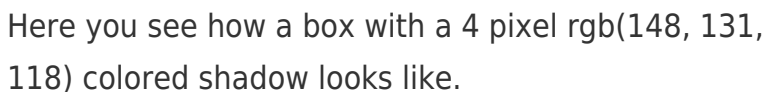
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(148, 131, 118) }
```


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

```
.border{ border-color:rgb(148, 131, 118) }
```

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



Here you see how a box with a 4 pixel `rgb(148, 131, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(148, 131, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(148, 131, 118); box-shadow:4px 4px 4px 4px rgb(148, 131, 118) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5991, 23.8365, 20.4966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 131, 118) }
```

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

```
.background{ background-color: rgb(148,  
131, 118) }
```

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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