

Converting Colors

XYZ(23.1145, 23.8133, 9.1276)

Have a look what the booklet for
XYZ(23.1145, 23.8133, 9.1276)
contains.

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Color

**XYZ(23.1264, 23.8429,
9.1776)**

Conversions

Conversions Part 1

Format	Color
Hex	9D8346
RGB	157, 131, 70
RGB Percent	62%, 51%, 27%
CMY	0.3843, 0.4863, 0.7255
CMYK	0.00, 0.17, 0.55, 0.38
HSL	42°, 38%, 45%
HSV	42°, 55%, 62%
XYZ	23.1264, 23.8429, 9.1776
YIQ	131.8200, 35.0770, -13.4590

Conversions

Conversions Part 2

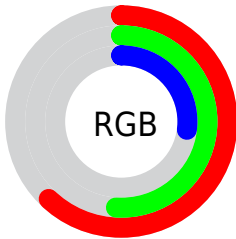
Format	Color
R_{YB}	107, 157, 70
Decimal	10322758
CIE _{Lab}	55.93, 2.10, 36.33
CIE _{LCh}	56, 36.388, 86.686
Yxy	23.8429, 0.4119, 0.4247
Android (android.graphics.Color)	4288512838 (0xFF9D8346)
YUV	131.8200, -30.4773, 22.0829
Hunter-Lab	48.8292, -0.9102, 23.0367

Details

The XYZ color **23.1264, 23.8429, 9.1776** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **12.7943, 12.1017, 33.5596**, and the grayscale version is **21.9652, 23.1091, 25.1659**.

A 20% lighter version of the original color is **47.9712, 49.7832, 24.8501**, and **8.7556, 8.9761, 2.0301** is the 20% darker color. If you saturate the color by 10%, you get **22.0785, 22.4392, 6.6948**, and if you desaturate by 10%, it is **24.3336, 25.3578, 12.3532**.

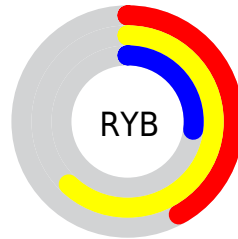
Distribution



Red (62%)

Green (51%)

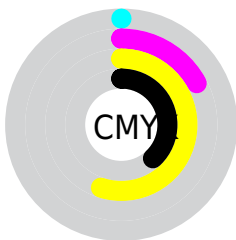
Blue (27%)



Red (42%)

Yellow (62%)

Blue (27%)

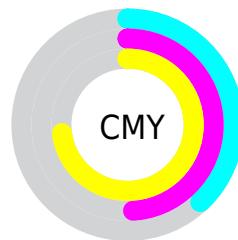


Cyan (0%)

Magenta (17%)

Yellow (55%)

Black (38%)



Cyan (38%)

Magenta (49%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1264, 23.8429, 9.1776 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 23.1264, 23.8429, 9.1776 by changing the saturation by 10% instead.

■ 23.1264, 23.8429,
9.1776

■ 23.1264, 23.8429,
9.1776

260.8968,
272.0253, 194.9639

■ 14.8081, 15.2171,
4.7588

■ 48.0659, 49.7737,
24.8199

■ 8.7702, 8.9719,
2.0502

■ 65.4178, 67.8475,
36.8804

■ 4.6475, 4.7229,
0.5859

■ 86.5116, 89.8395,
52.3253

■ 2.0746, 2.0856,
0.0000

■ 111.7127,
116.1340, 71.5731

■ 0.6753, 0.6565,
0.0000

■ 141.3864,
147.1154, 95.0423

■ 0.0000, 0.0000,
0.0000

175.8981,

183.1682, 123.1515

215.6131,
224.6767, 156.3192

■ 23.1264, 23.8429,
9.1776

■ 23.1264, 23.8429,
9.1776

■ 22.0785, 22.4392,
6.6948

■ 24.3336, 25.3578,
12.3532

■ 21.1774, 21.1383,
4.8490

■ 25.7079, 26.9849,
16.2690

■ 20.4114, 19.9360,
3.5777

■ 27.2587, 28.7294,
20.9696

■ 19.7646, 18.8251,
2.7987

■ 28.9940, 30.5951,
26.4958

■ 19.4899, 18.3388,
2.5125

■ 30.9214, 32.5855,
32.8855

■ 33.0478, 34.7041,
40.1742

■ 35.3801, 36.9540,
48.3955

■ 37.9244, 39.3383,
57.5812

■ 40.6870, 41.8599,
67.7616

Harmonies

Analogous

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



27.3329, 23.8429, 11.1642



23.1264, 23.8429, 9.1776



19.2642, 23.8429, 10.4283

Triad

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



23.1264, 23.8429, 9.1776



16.2543, 23.8429, 37.6350



30.0052, 23.8429, 40.6428

Complementary

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



23.1264, 23.8429, 9.1776



12.7943, 12.1017, 33.5596

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.



26.4375, 23.8429, 52.1985



23.1264, 23.8429, 9.1776



18.5560, 23.8429, 50.1220

Square

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



23.1264, 23.8429, 9.1776



15.5931, 23.8429, 24.6620



22.2038, 23.8429, 56.1089



31.5974, 23.8429, 27.3045

Rectangle

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



23.1264, 23.8429, 9.1776



17.3380, 23.8429, 13.2283



22.2038, 23.8429, 56.1089



28.9774, 23.8429, 45.0039

Sweetspot

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



23.1270, 23.8440, 9.1781



51.3046, 54.1364, 45.4391



18.2108, 12.3950, 12.5234



11.1615, 11.7762, 9.5878



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



23.1270, 23.8440, 9.1781



39.2214, 39.7399, 11.2924



23.9104, 30.0968, 10.3437



7.0027, 7.3854, 7.0421



15.8628, 14.9613, 2.0518



0.3185, 0.3373, 0.0483

Inverse Universe

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



12.7943, 12.1017, 33.5596



18.9108, 16.7018, 59.3538



12.2441, 8.8605, 32.9630



6.4383, 6.7423, 8.3687



5.7947, 3.6809, 26.3123



0.1380, 0.1346, 0.4819

Previews

White Background



This preview shows how the XYZ color 23.1264, 23.8429, 9.1776 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 23.1264, 23.8429, 9.1776 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 23.1264, 23.8429, 9.1776

Background



This preview shows how black text looks on a background with the XYZ color 23.1264, 23.8429, 9.1776.



This preview shows how white text looks on a background with the XYZ color 23.1264, 23.8429,

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

23.1264, 23.8429, 9.1776

Protanopia

21.8752, 23.8010, 9.4023

Deuteranopia

24.3736, 23.8926, 9.2883



Tritanopia

26.5455, 23.8953, 25.4035

Trichromacy



Original Color

23.1264, 23.8429, 9.1776

Protanomaly

22.2874, 23.8093, 9.3822

Deuteranomaly

23.8879, 23.8368, 9.3032

Tritanomaly

25.1018, 23.8816, 18.0385

Monochromacy



Original Color

23.1264, 23.8429, 9.1776

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.9961, 23.2694, 17.8001

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1264, 23.8429, 9.1776 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(157, 131, 70)` looks like.

```
.text, #text, p{  
    color:rgb(157, 131, 70)  
}
```

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(157, 131, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 131, 70) }
```

Border

The CSS property to change the border of an element to XYZ 23.1264, 23.8429, 9.1776 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(157, 131, 70) }
```


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

```
.border{ border-color:rgb(157, 131, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 131, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 131, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 131, 70);  
box-shadow:4px 4px 4px 4px rgb(157, 131,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1264, 23.8429, 9.1776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 131, 70) }
```

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

```
.background{ background-color: rgb(157,  
131, 70) }
```

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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