

Converting Colors

XYZ(23.1796, 29.2718, 9.4513)

Have a look what the booklet for
XYZ(23.1796, 29.2718, 9.4513)
contains.

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Color

**XYZ(23.1567, 29.2276,
9.4220)**

Conversions

Conversions Part 1

Format	Color
Hex	8A9B41
RGB	138, 155, 65
RGB Percent	54%, 61%, 25%
CMY	0.4588, 0.3921, 0.7451
CMYK	0.11, 0.00, 0.58, 0.39
HSL	71°, 41%, 43%
HSV	71°, 58%, 61%
XYZ	23.1567, 29.2276, 9.4220
YIQ	139.6570, 18.7580, -31.5940

Conversions

Conversions Part 2

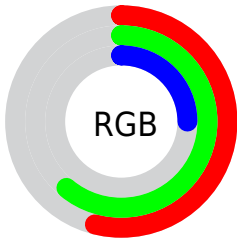
Format	Color
RYB	65, 155, 82
Decimal	9083713
CIELab	60.98, -19.54, 44.27
CIElCh	61, 48.384, 113.813
Yxy	29.2276, 0.3747, 0.4729
Android (android.graphics.Color)	4287273793 (0xFF8A9B41)
YUV	139.6570, -36.8059, -1.4532
Hunter-Lab	54.0626, -18.1523, 27.5108

Details

The XYZ color **23.1567, 29.2276, 9.4220** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **11.2874, 7.9417, 31.9500**, and the grayscale version is **24.9279, 26.2261, 28.5602**.

A 20% lighter version of the original color is **47.9452, 58.1993, 25.2296**, and **8.7570, 11.8561, 2.1435** is the 20% darker color. If you saturate the color by 10%, you get **22.2902, 28.8268, 7.3509**, and if you desaturate by 10%, it is **24.1609, 29.6871, 12.1439**.

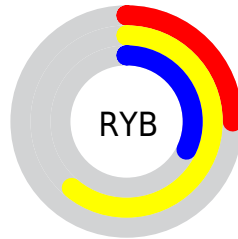
Distribution



Red (54%)

Green (61%)

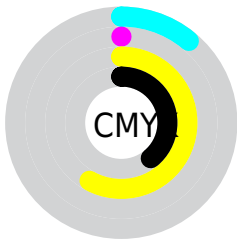
Blue (25%)



Red (25%)

Yellow (61%)

Blue (32%)

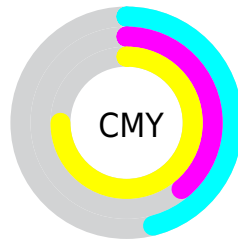


Cyan (11%)

Magenta (0%)

Yellow (58%)

Black (39%)



Cyan (46%)

Magenta (39%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1567, 29.2276, 9.4220 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 23.1567, 29.2276, 9.4220 by changing the saturation by 10% instead.

■ 23.1567, 29.2276,
9.4220

■ 23.1567, 29.2276,
9.4220

261.0491,
298.2873, 196.8280

■ 14.8306, 19.2531,
4.9169

■ 48.1153, 58.4385,
25.2931

■ 8.7861, 11.8533,
2.1407

■ 65.4784, 78.4437,
37.4962

■ 4.6579, 6.6438,
0.6398

■ 86.5847, 102.5611,
53.1023

■ 2.0807, 3.2404,
0.0000

■ 111.7993,
131.1754, 72.5301

■ 0.6787, 1.2585,
0.0000

■ 141.4877,
164.6707, 96.1980

■ 0.0000, 0.1087,
0.0000

176.0153,

■ 0.0000, 0.0000,

203.4315, 124.5246

0.0000

215.7473,
247.8423, 157.9284

■ 23.1567, 29.2276,
9.4220

■ 23.1567, 29.2276,
9.4220

■ 22.2902, 28.8268,
7.3509

■ 24.1609, 29.6871,
12.1439

■ 21.5488, 28.4765,
5.8743

■ 25.3101, 30.2050,
15.5633

■ 20.9212, 28.1732,
4.9293

■ 26.6132, 30.7860,
19.7243

■ 20.3848, 27.9079,
4.3986

■ 28.0781, 31.4333,
24.6674

■ 20.2848, 27.8583,
4.3081

■ 29.7119, 32.1497,
30.4297

■ 31.5213, 32.9379,
37.0462

■ 33.5128, 33.8006,
44.5498

■ 35.6922, 34.7399,
52.9716

■ 38.0654, 35.7584,
62.3412

Harmonies

Analogous

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



29.1104, 29.2276, 8.2484



23.1567, 29.2276, 9.4220



19.0810, 29.2276, 15.3807

Triad

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



23.1567, 29.2276, 9.4220



21.2049, 29.2276, 68.9880



41.6974, 29.2276, 35.7242

Complementary

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



23.1567, 29.2276, 9.4220



11.2874, 7.9417, 31.9500

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.



38.7875, 29.2276, 57.1126



23.1567, 29.2276, 9.4220



26.4907, 29.2276, 80.4788

Square

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



23.1567, 29.2276, 9.4220



18.0794, 29.2276, 48.0452



32.9809, 29.2276, 75.4636



40.4468, 29.2276, 19.7389

Rectangle

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



23.1567, 29.2276, 9.4220



17.6675, 29.2276, 23.0741



32.9809, 29.2276, 75.4636



41.1610, 29.2276, 42.5456

Sweetspot

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



23.1574, 29.2289, 9.4226



50.4860, 56.3804, 44.8795



17.4524, 13.3105, 6.6507



11.3119, 12.7107, 9.7603



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.



23.1574, 29.2289, 9.4226



39.4550, 51.4060, 12.1784



17.2415, 26.1792, 9.1458



6.5945, 7.1639, 6.6411



16.3219, 22.3901, 3.4615



0.2702, 0.3482, 0.0530

Inverse Universe

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



11.2874, 7.9417, 31.9500



16.1721, 9.5457, 56.5264



16.4858, 10.6215, 32.1933



5.9880, 6.0797, 7.7869



5.1909, 2.1271, 25.0447



0.1012, 0.0440, 0.3755

Previews

White Background



This preview shows how the XYZ color 23.1567, 29.2276, 9.4220 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 23.1567, 29.2276, 9.4220 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 23.1567, 29.2276, 9.4220

Background



This preview shows how black text looks on a background with the XYZ color 23.1567, 29.2276, 9.4220.



This preview shows how white text looks on a background with the XYZ color 23.1567, 29.2276,

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

23.1567, 29.2276, 9.4220

Protanopia

26.4352, 29.0128, 8.9094

Deuteranopia

29.5083, 29.0096, 9.6744



Tritanopia

28.4239, 28.9810, 35.9941

Trichromacy



Original Color

23.1567, 29.2276, 9.4220

Protanomaly

25.1582, 29.0529, 9.1323

Deuteranomaly

26.6858, 28.6675, 9.5957

Tritanomaly

25.8871, 28.8794, 23.2787

Monochromacy



Original Color

23.1567, 29.2276, 9.4220

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

23.7535, 26.9320, 19.5692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1567, 29.2276, 9.4220 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(138, 155, 65)` looks like.

```
.text, #text, p{  
    color:rgb(138, 155, 65)  
}
```

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(138, 155, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 155, 65) }
```

Border

The CSS property to change the border of an element to XYZ 23.1567, 29.2276, 9.4220 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(138, 155, 65) }
```


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

```
.border{ border-color:rgb(138, 155, 65) }
```

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

Here you see how a box with a 4 pixel rgb(138, 155, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 155, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 155, 65);  
box-shadow:4px 4px 4px 4px rgb(138, 155,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1567, 29.2276, 9.4220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 155, 65) }
```

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

```
.background{ background-color: rgb(138,  
155, 65) }
```

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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