

Converting Colors

XYZ(23.2236, 24.7246, 31.1866)

Have a look what the booklet for
XYZ(23.2236, 24.7246, 31.1866)
contains.

XYZ(23.1142, 24.5871, 31.1313)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.1142, 24.5871,
31.1313)**

Conversions

Conversions Part 1

Format	Color
Hex	808993
RGB	128, 137, 147
RGB Percent	50%, 54%, 58%
CMY	0.4980, 0.4627, 0.4235
CMYK	0.13, 0.07, 0.00, 0.42
HSL	212°, 8%, 54%
HSV	212°, 13%, 58%
XYZ	23.1142, 24.5871, 31.1313
YIQ	135.4490, -8.5740, 1.2020

Conversions

Conversions Part 2

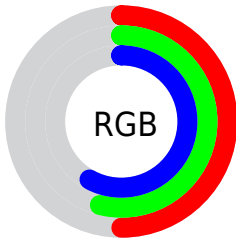
Format	Color
R_{YB}	128, 134, 147
Decimal	8423827
CIE _{Lab}	56.67, -1.14, -6.46
CIE _{LCh}	57, 6.563, 259.963
Yxy	24.5871, 0.2932, 0.3119
Android (android.graphics.Color)	4286613907 (0xFF808993)
YUV	135.4490, 5.6946, -6.5328
Hunter-Lab	49.5854, -3.5667, -2.5144

Details

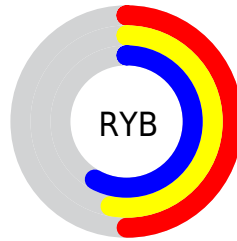
The XYZ color **23.1142, 24.5871, 31.1313** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **25.0175, 25.9384, 24.1106**, and the grayscale version is **23.1783, 24.3854, 26.5557**.

A 20% lighter version of the original color is **48.0121, 50.8677, 62.5463**, and **8.7440, 9.3232, 12.4050** is the 20% darker color. If you saturate the color by 10%, you get **20.0010, 21.4085, 30.6822**, and if you desaturate by 10%, it is **26.6281, 28.0906, 31.6227**.

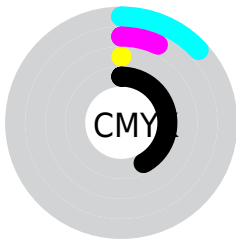
Distribution



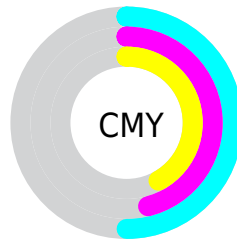
- Red (50%)
- Green (54%)
- Blue (58%)



- Red (50%)
- Yellow (53%)
- Blue (58%)



- Cyan (13%)
- Magenta (7%)
- Yellow (0%)
- Black (42%)



- Cyan (50%)
- Magenta (46%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1142, 24.5871, 31.1313 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 23.1142, 24.5871, 31.1313 by changing the saturation by 10% instead.

■ 23.1142, 24.5871,
31.1313

■ 23.1142, 24.5871,
31.1313

260.8354,
275.7754, 321.5127

■ 14.7990, 15.7697,
20.4395

■ 48.0461, 50.9866,
62.5287

■ 8.7638, 9.3613,
12.5277

■ 65.3934, 69.3375,
84.0715

■ 4.6433, 4.9776,
6.9773

■ 86.4822, 91.6349,
110.0683

■ 2.0721, 2.2341,
3.3697

111.6779,
118.2634, 140.9378

■ 0.6740, 0.7385,
1.2863

141.3456,
149.6073, 177.0984

■ 0.0000, 0.0000,
0.0506

175.8509,

■ 0.0000, 0.0000,

186.0510, 218.9687

0.0000

215.5590,
227.9789, 266.9673

■ 23.1142, 24.5871,
31.1313

■ 23.1142, 24.5871,
31.1313

■ 20.0010, 21.4085,
30.6822

■ 26.6281, 28.0906,
31.6227

■ 17.2709, 18.5414,
30.2727

■ 30.5549, 31.9258,
32.1560

■ 14.9083, 15.9758,
29.9020

■ 34.9092, 36.1029,
32.7328

■ 12.8955, 13.7000,
29.5689

■ 39.7039, 40.6312,
33.3541

■ 11.2132, 11.7014,
29.2718

■ 44.9517, 45.5190,
34.0210

■ 9.8401, 9.9662,
29.0092

■ 50.6643, 50.7748,
34.7344

■ 8.7522, 8.4791,
28.7795

■ 56.8535, 56.4065,
35.4952

■ 7.9210, 7.2223,
28.5807

■ 63.5303, 62.4218,
36.3044

■ 7.4347, 6.4430,
28.4559

■ 68.7277, 67.8089,
37.0702

Harmonies

Analogous

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



22.4370, 24.5871, 30.1232



23.1142, 24.5871, 31.1313



23.8744, 24.5871, 30.9234

Triad

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



23.1142, 24.5871, 31.1313



24.7774, 24.5871, 25.3604



22.2625, 24.5871, 24.1549

Complementary

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



23.1142, 24.5871, 31.1313



25.0175, 25.9384, 24.1106

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.



22.8713, 24.5871, 23.0083



23.1142, 24.5871, 31.1313



24.3271, 24.5871, 23.6775

Square

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



23.1142, 24.5871, 31.1313



24.8459, 24.5871, 27.5112



23.6263, 24.5871, 22.8384



21.9524, 24.5871, 26.0446

Rectangle

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



23.1142, 24.5871, 31.1313



24.3256, 24.5871, 30.1270



23.6263, 24.5871, 22.8384



22.4384, 24.5871, 23.6743

Sweetspot

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



23.1149, 24.5881, 31.1318



46.9210, 49.5496, 56.5256



23.9104, 27.2867, 27.9823



10.6061, 11.2072, 12.8890



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.



23.1149, 24.5881, 31.1318



39.4178, 42.0309, 55.4698



21.9359, 22.1592, 30.7252



5.7125, 6.0590, 7.3382



6.4699, 5.6346, 24.6776



0.1083, 0.1273, 0.3118

Inverse Universe

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



24.2677, 23.4480, 26.9150



41.9850, 39.5773, 46.0600



26.3063, 28.6002, 24.5564



5.9083, 5.8584, 6.6234



11.3928, 5.7622, 5.5495



0.1542, 0.0764, 0.1454

Previews

White Background



This preview shows how the XYZ color 23.1142, 24.5871, 31.1313 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 23.1142, 24.5871, 31.1313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

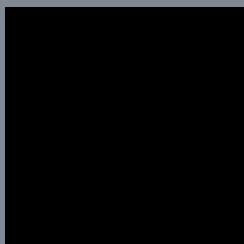
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

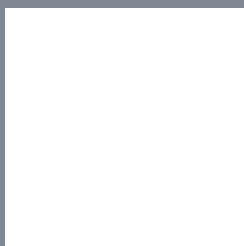
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.1142, 24.5871, 31.1313

Background



This preview shows how black text looks on a background with the XYZ color 23.1142, 24.5871, 31.1313.

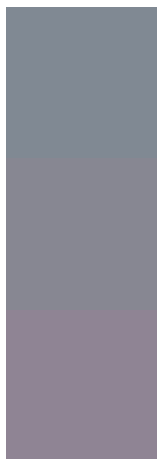


This preview shows how white text looks on a background with the XYZ color 23.1142, 24.5871,

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

23.1142, 24.5871, 31.1313

Protanopia

23.8440, 24.5542, 30.6768

Deuteranopia

24.9243, 24.4803, 31.4285



Tritanopia

23.1930, 24.6186, 31.5464

Trichromacy



Original Color

23.1142, 24.5871, 31.1313

Protanomaly

23.5082, 24.5892, 30.7013

Deuteranomaly

24.3516, 24.5916, 31.4802

Tritanomaly

23.1930, 24.6186, 31.5464

Monochromacy



Original Color

23.1142, 24.5871, 31.1313

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

22.9801, 24.3779, 27.9203

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1142, 24.5871, 31.1313 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(128, 137, 147)` looks like.

```
.text, #text, p{  
    color:rgb(128, 137, 147)  
}
```

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(128, 137, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 137, 147) }
```

Border

The CSS property to change the border of an element to XYZ 23.1142, 24.5871, 31.1313 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(128, 137, 147) }
```


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

```
.border{ border-color:rgb(128, 137, 147) }
```

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

Here you see how a box with a 4 pixel rgb(128, 137, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 137, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 137, 147);  
box-shadow:4px 4px 4px 4px rgb(128, 137,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1142, 24.5871, 31.1313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 137, 147) }
```

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

```
.background{ background-color: rgb(128,  
137, 147) }
```

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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