

Converting Colors

XYZ(22.8862, 23.4272, 30.0807)

Have a look what the booklet for
XYZ(22.8862, 23.4272, 30.0807)
contains.

XYZ(22.8778, 23.4524, 30.1090)	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(22.8778, 23.4524,
30.1090)**

Conversions

Conversions Part 1

Format	Color
Hex	848491
RGB	132, 132, 145
RGB Percent	52%, 52%, 57%
CMY	0.4823, 0.4823, 0.4314
CMYK	0.09, 0.09, 0.00, 0.43
HSL	240°, 6%, 54%
HSV	240°, 9%, 57%
XYZ	22.8778, 23.4524, 30.1090
YIQ	133.4820, -4.1730, 4.0430

Conversions

Conversions Part 2

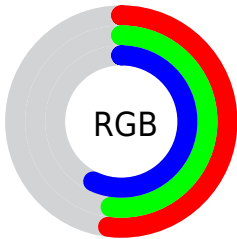
Format	Color
R_{YB}	132, 132, 145
Decimal	8684689
CIE _{Lab}	55.54, 2.68, -6.96
CIE _{LCh}	56, 7.462, 291.075
Yxy	23.4524, 0.2993, 0.3068
Android (android.graphics.Color)	4286874769 (0xFF848491)
YUV	133.4820, 5.6784, -1.2997
Hunter-Lab	48.4277, -0.4230, -2.9631

Details

The XYZ color **22.8778, 23.4524, 30.1090** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **25.9673, 27.9362, 25.8538**, and the grayscale version is **22.4517, 23.6209, 25.7232**.

A 20% lighter version of the original color is **47.6653, 49.1357, 61.0047**, and **8.7261, 8.8517, 12.0751** is the 20% darker color. If you saturate the color by 10%, you get **18.9349, 18.7018, 29.4002**, and if you desaturate by 10%, it is **27.4105, 28.9139, 30.9246**.

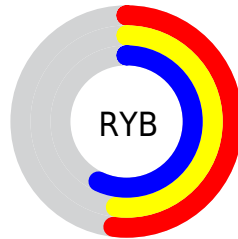
Distribution



Red (52%)

Green (52%)

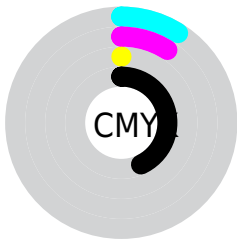
Blue (57%)



Red (52%)

Yellow (52%)

Blue (57%)

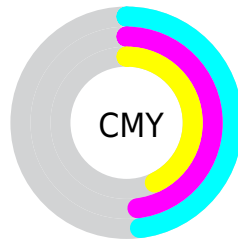


Cyan (9%)

Magenta (9%)

Yellow (0%)

Black (43%)



Cyan (48%)

Magenta (48%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8778, 23.4524, 30.1090 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 22.8778, 23.4524, 30.1090 by changing the saturation by 10% instead.

■ 22.8778, 23.4524,
30.1090

■ 22.8778, 23.4524,
30.1090

259.6438,
270.0402, 316.6353

■ 14.6235, 14.9279,
19.6686

■ 47.6607, 49.1351,
60.8976

■ 8.6402, 8.7688,
11.9727

■ 64.9201, 67.0621,
82.0828

■ 4.5625, 4.5907,
6.6028

■ 85.9118, 88.8921,
107.6867

■ 2.0250, 2.0092,
3.1403

111.0013,
115.0094, 138.1278

■ 0.6479, 0.6128,
1.1667

140.5539,
145.7985, 173.8247

■ 0.0000, 0.0000,
0.0000

174.9349,

181.6437, 215.1959

214.5098,
222.9295, 262.6599

■ 22.8778, 23.4524,
30.1090

■ 22.8778, 23.4524,
30.1090

■ 18.9349, 18.7018,
29.4002

■ 27.4105, 28.9139,
30.9246

■ 15.5556, 14.6300,
28.7924

■ 32.5537, 35.1108,
31.8497

■ 12.7147, 11.2071,
28.2814

■ 38.3296, 42.0699,
32.8885

■ 10.3846, 8.3995,
27.8623

■ 44.7586, 49.8160,
34.0448

■ 8.5349, 6.1707,
27.5296

■ 51.8603, 58.3726,
35.3221

■ 7.1322, 4.4803,
27.2773

■ 59.6535, 67.7622,
36.7237

■ 6.1386, 3.2830,
27.0985

■ 68.1562, 78.0065,
38.2529

■ 5.5102, 2.5257,
26.9855

■ 77.3856, 89.1266,
39.9129

■ 5.1462, 2.0871,
26.9200

■ 82.1109, 94.8244,
40.7636

Harmonies

Analogous

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



22.0407, 23.4524, 30.3933



22.8778, 23.4524, 30.1090



23.5736, 23.4524, 28.5597

Triad

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



22.8778, 23.4524, 30.1090



23.3231, 23.4524, 22.0971



20.7300, 23.4524, 24.8234

Complementary

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



22.8778, 23.4524, 30.1090



25.9673, 27.9362, 25.8538

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.



21.0554, 23.4524, 22.7330



22.8778, 23.4524, 30.1090



22.5428, 23.4524, 21.2254

Square

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



22.8778, 23.4524, 30.1090



23.8352, 23.4524, 23.9051



21.7139, 23.4524, 21.4506



20.8146, 23.4524, 27.2388

Rectangle

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



22.8778, 23.4524, 30.1090



23.8569, 23.4524, 27.0685



21.7139, 23.4524, 21.4506



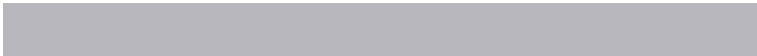
20.7948, 23.4524, 24.0618

Sweetspot

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



22.8785, 23.4534, 30.1095



45.6322, 47.6166, 54.7594



24.7356, 27.1943, 30.6462



10.0138, 10.4271, 12.1571



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



22.8785, 23.4534, 30.1095



39.2818, 39.9652, 53.6172



23.8906, 23.9747, 30.1568



5.1297, 5.2551, 6.7727



4.3840, 1.7540, 23.0846



0.0419, 0.0168, 0.2207

Inverse Universe

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



24.0937, 24.1887, 25.2300



41.9669, 41.5899, 42.8354



24.8908, 27.3817, 25.8035



5.4089, 5.4241, 5.6514



10.0159, 5.1634, 0.4694



0.0958, 0.0494, 0.0045

Previews

White Background



This preview shows how the XYZ color 22.8778, 23.4524, 30.1090 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 22.8778, 23.4524, 30.1090 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

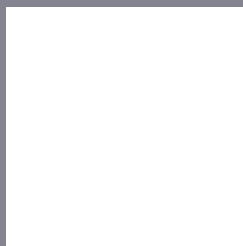
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.8778, 23.4524, 30.1090

Background



This preview shows how black text looks on a background with the XYZ color 22.8778, 23.4524, 30.1090.

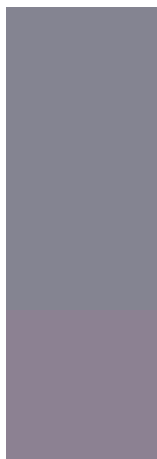


This preview shows how white text looks on a background with the XYZ color 22.8778, 23.4524,

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

22.8778, 23.4524, 30.1090

Protanopia

22.8778, 23.4524, 30.1090

Deuteranopia

23.8538, 23.3513, 30.4441



Tritanopia

22.7249, 23.3912, 29.3038

Trichromacy



Original Color

22.8778, 23.4524, 30.1090

Protanomaly

22.8778, 23.4524, 30.1090

Deuteranomaly

23.4875, 23.3590, 30.4649

Tritanomaly

22.8010, 23.4217, 29.7046

Monochromacy



Original Color

22.8778, 23.4524, 30.1090

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.5758, 23.5677, 27.0261

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8778, 23.4524, 30.1090 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(132, 132, 145)` looks like.

```
.text, #text, p{  
    color:rgb(132, 132, 145)  
}
```

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(132, 132, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 132, 145) }
```

Border

The CSS property to change the border of an element to XYZ 22.8778, 23.4524, 30.1090 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(132, 132, 145) }
```


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

```
.border{ border-color:rgb(132, 132, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 132, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 132, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 132, 145);  
box-shadow:4px 4px 4px 4px rgb(132, 132,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8778, 23.4524, 30.1090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 132, 145) }
```

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

```
.background{ background-color: rgb(132,  
132, 145) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor