

Converting Colors

XYZ(31.9212, 32.3057, 43.8859)

Have a look what the booklet for
XYZ(31.9212, 32.3057, 43.8859)
contains.

XYZ(31.9079, 32.2459, 44.0775)	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(31.9079, 32.2459,
44.0775)**

Conversions

Conversions Part 1

Format	Color
Hex	9998AD
RGB	153, 152, 173
RGB Percent	60%, 60%, 68%
CMY	0.4000, 0.4039, 0.3216
CMYK	0.12, 0.12, 0.00, 0.32
HSL	243°, 11%, 64%
HSV	243°, 12%, 68%
XYZ	31.9079, 32.2459, 44.0775
YIQ	154.6930, -6.1450, 6.7430

Conversions

Conversions Part 2

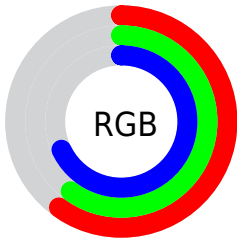
Format	Color
RYB	153, 152, 173
Decimal	10066093
CIELab	63.55, 4.63, -10.80
CIElCh	64, 11.754, 293.211
Yxy	32.2459, 0.2948, 0.2979
Android (android.graphics.Color)	4288256173 (0xFF9998AD)
YUV	154.6930, 9.0254, -1.4848
Hunter-Lab	56.7855, 0.9250, -6.2717

Details

The XYZ color **31.9079, 32.2459, 44.0775** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.6255, 40.9256, 35.6237**, and the grayscale version is **30.9842, 32.5978, 35.4990**.

A 20% lighter version of the original color is **61.8070, 63.0094, 82.3032**, and **13.5844, 13.5126, 19.9814** is the 20% darker color. If you saturate the color by 10%, you get **26.4041, 25.5407, 43.0738**, and if you desaturate by 10%, it is **38.2527, 39.9944, 45.2392**.

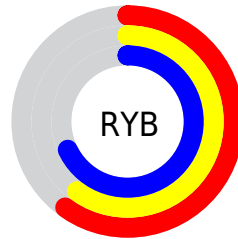
Distribution



Red (60%)

Green (60%)

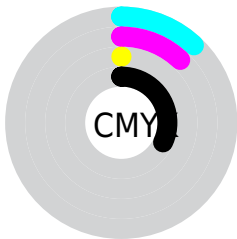
Blue (68%)



Red (60%)

Yellow (60%)

Blue (68%)

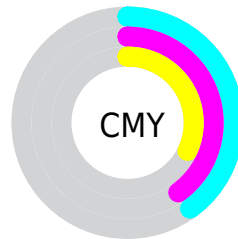


Cyan (12%)

Magenta (12%)

Yellow (0%)

Black (32%)



Cyan (40%)

Magenta (40%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9079, 32.2459, 44.0775 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 31.9079, 32.2459, 44.0775 by changing the saturation by 10% instead.

■ 31.9079, 32.2459,
44.0775

■ 31.9079, 32.2459,
44.0775

302.4522,
312.2379, 379.0750

■ 21.4464, 21.5494,
30.3938

■ 62.0328, 63.1964,
82.6381

■ 13.5650, 13.5262,
19.8831

■ 82.4270, 84.2191,
108.3520

■ 7.8984, 7.7919,
12.1269

106.8627,
109.4528, 138.9131

■ 4.0813, 3.9621,
6.7065

135.7053,
139.2817, 174.7399

■ 1.7482, 1.6524,
3.2036

169.3202,
174.0903, 216.2510

■ 0.4862, 0.3925,
1.1995

208.0728,

■ 0.0000, 0.0000,

214.2629, 263.8648

0.0000

252.3283,
260.1840, 318.0000

■ 31.9079, 32.2459,
44.0775

■ 31.9079, 32.2459,
44.0775

■ 26.4041, 25.5407,
43.0738

■ 38.2527, 39.9944,
45.2392

■ 21.7033, 19.8303,
42.2194

■ 45.4687, 48.8237,
46.5631

■ 17.7688, 15.0686,
41.5077

■ 53.5881, 58.7746,
48.0559

■ 14.5600, 11.2041,
40.9309

■ 62.6407, 69.8845,
49.7232

■ 12.0323, 8.1807,
40.4805

■ 72.6548, 82.1891,
51.5704

■ 10.1367, 5.9357,
40.1471

■ 83.4006, 95.2083,
53.5170

■ 8.8170, 4.3976,
39.9198

■ 84.5429, 95.7972,
53.5705

■ 8.0077, 3.4820,
39.7857

■ 7.6458, 3.0702,
39.7253

Harmonies

Analogous

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



30.2777, 32.2459, 44.8587



31.9079, 32.2459, 44.0775



33.2430, 32.2459, 40.7986

Triad

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



31.9079, 32.2459, 44.0775



32.5754, 32.2459, 28.3657



27.6242, 32.2459, 34.0539

Complementary

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



31.9079, 32.2459, 44.0775



37.6255, 40.9256, 35.6237

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.



28.1931, 32.2459, 29.9769



31.9079, 32.2459, 44.0775



31.0229, 32.2459, 26.8876

Square

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



31.9079, 32.2459, 44.0775



33.6379, 32.2459, 31.6713



29.4232, 32.2459, 27.4501



27.8422, 32.2459, 38.7896

Rectangle

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



31.9079, 32.2459, 44.0775



33.7666, 32.2459, 37.7829



29.4232, 32.2459, 27.4501



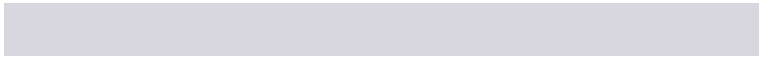
27.7290, 32.2459, 32.5668

Sweetspot

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



31.9089, 32.2473, 44.0782



66.1922, 68.7968, 80.5962



35.3024, 39.3127, 45.2631



14.1970, 14.7213, 17.4809



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



31.9089, 32.2473, 44.0782



53.9073, 53.8027, 78.3495



33.9174, 33.2827, 44.1722



7.6128, 7.7747, 10.0521



5.6308, 2.2627, 29.1845



0.1678, 0.0687, 0.8124

Inverse Universe

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



35.9093, 34.3207, 43.7633



62.7311, 58.3765, 77.6326



35.4717, 39.8153, 35.5229



8.3204, 8.1414, 9.9980



17.6414, 8.5191, 26.8208



0.4957, 0.2390, 0.7720

Previews

White Background



This preview shows how the XYZ color 31.9079, 32.2459, 44.0775 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 31.9079, 32.2459, 44.0775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

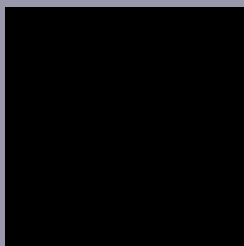
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.9079, 32.2459, 44.0775

Background



This preview shows how black text looks on a background with the XYZ color 31.9079, 32.2459, 44.0775.



This preview shows how white text looks on a background with the XYZ color 31.9079, 32.2459,

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

31.9079, 32.2459, 44.0775

Protanopia

31.6966, 32.3789, 44.1143

Deuteranopia

32.9464, 32.3034, 44.0339



Tritanopia

31.1317, 32.1745, 40.1668

Trichromacy



Original Color

31.9079, 32.2459, 44.0775

Protanomaly

31.8830, 32.4750, 44.1231

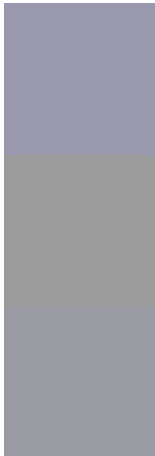
Deuteranomaly

32.5141, 32.3184, 44.0596

Tritanomaly

31.4080, 32.2850, 41.6220

Monochromacy



Original Color

31.9079, 32.2459, 44.0775

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.4036, 32.5899, 38.8177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9079, 32.2459, 44.0775 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(153, 152, 173)` looks like.

```
.text, #text, p{  
    color:rgb(153, 152, 173)  
}
```

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(153, 152, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 152, 173) }
```

Border

The CSS property to change the border of an element to XYZ 31.9079, 32.2459, 44.0775 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(153, 152, 173) }
```


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

```
.border{ border-color:rgb(153, 152, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 152, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 152, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 152, 173);  
box-shadow:4px 4px 4px 4px rgb(153, 152,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9079, 32.2459, 44.0775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 152, 173) }
```

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

```
.background{ background-color: rgb(153,  
152, 173) }
```

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