

Converting Colors

XYZ(29.7574, 32.0778, 44.0008)

Have a look what the booklet for
XYZ(29.7574, 32.0778, 44.0008)
contains.

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Color

**XYZ(29.7478, 32.1124,
44.1656)**

Conversions

Conversions Part 1

Format	Color
Hex	899CAD
RGB	137, 156, 173
RGB Percent	54%, 61%, 68%
CMY	0.4627, 0.3882, 0.3216
CMYK	0.21, 0.10, 0.00, 0.32
HSL	208°, 18%, 61%
HSV	208°, 21%, 68%
XYZ	29.7478, 32.1124, 44.1656
YIQ	152.2570, -16.7810, 1.2590

Conversions

Conversions Part 2

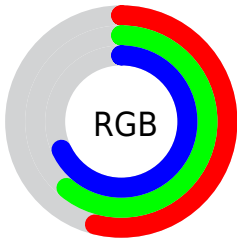
Format	Color
RYB	137, 149, 173
Decimal	9018541
CIELab	63.44, -2.92, -11.09
CIELCh	63, 11.468, 255.253
Yxy	32.1124, 0.2806, 0.3029
Android (android.graphics.Color)	4287208621 (0xFF899CAD)
YUV	152.2570, 10.2263, -13.3804
Hunter-Lab	56.6678, -5.4650, -6.5418

Details

The XYZ color **29.7478, 32.1124, 44.1656** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.3048, 33.8016, 28.4366**, and the grayscale version is **29.9191, 31.4773, 34.2787**.

A 20% lighter version of the original color is **58.5360, 62.7710, 82.4296**, and **12.3405, 13.4621, 20.0372** is the 20% darker color. If you saturate the color by 10%, you get **25.8113, 28.1169, 43.6024**, and if you desaturate by 10%, it is **34.2331, 36.5293, 44.7823**.

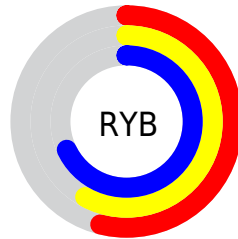
Distribution



Red (54%)

Green (61%)

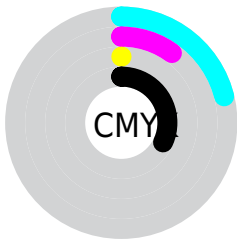
Blue (68%)



Red (54%)

Yellow (58%)

Blue (68%)

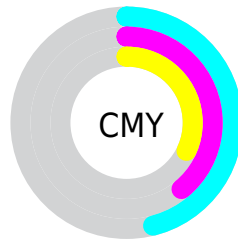


Cyan (21%)

Magenta (10%)

Yellow (0%)

Black (32%)



Cyan (46%)

Magenta (39%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7478, 32.1124, 44.1656 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 29.7478, 32.1124, 44.1656 by changing the saturation by 10% instead.

■ 29.7478, 32.1124,
44.1656

■ 29.7478, 32.1124,
44.1656

292.6581,
311.6310, 379.4447

■ 19.7944, 21.4474,
30.4626

■ 58.6525, 62.9873,
82.7720

■ 12.3530, 13.4514,
19.9349

■ 78.3344, 83.9659,
108.5125

■ 7.0585, 7.7401,
12.1641

■ 101.9899,
109.1511, 139.1025

■ 3.5454, 3.9291,
6.7317

129.9843,
138.9274, 174.9606

■ 1.4483, 1.6340,
3.2190

162.6830,
173.6792, 216.5053

■ 0.2902, 0.3804,
1.2075

200.4513,

■ 0.0000, 0.0000,

213.7907, 264.1552

0.0000

243.6545,
259.6465, 318.3288

■ 29.7478, 32.1124,
44.1656

■ 29.7478, 32.1124,
44.1656

■ 25.8113, 28.1169,
43.6024

■ 34.2331, 36.5293,
44.7823

■ 22.3974, 24.5242,
43.0889

■ 39.2864, 41.3777,
45.4518

■ 19.4817, 21.3197,
42.6240

■ 44.9292, 46.6719,
46.1763

■ 17.0368, 18.4866,
42.2060

■ 51.1811, 52.4247,
46.9571

■ 15.0322, 16.0061,
41.8329

■ 58.0608, 58.6478,
47.7957

■ 13.4334, 13.8574,
41.5024

■ 65.5861, 65.3530,
48.6933

■ 12.2000, 12.0166,
41.2121

■ 72.6234, 71.9581,
49.5973

■ 11.3110, 10.5533,
40.9765

■ 74.7325, 76.1763,
50.3004

■ 76.9466, 80.6045,
51.0384

Harmonies

Analogous

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



28.4133, 32.1124, 41.5816



29.7478, 32.1124, 44.1656



31.3359, 32.1124, 44.1422

Triad

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



29.7478, 32.1124, 44.1656



33.5775, 32.1124, 32.7047



28.3951, 32.1124, 29.1388

Complementary

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



29.7478, 32.1124, 44.1656



33.3048, 33.8016, 28.4366

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.



29.7221, 32.1124, 27.1569



29.7478, 32.1124, 44.1656



32.7323, 32.1124, 29.0903

Square

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



29.7478, 32.1124, 44.1656



33.5849, 32.1124, 37.2488



31.3093, 32.1124, 27.1400



27.6510, 32.1124, 32.7764

Rectangle

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



29.7478, 32.1124, 44.1656



32.3265, 32.1124, 42.6394



31.3093, 32.1124, 27.1400



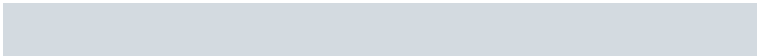
28.7857, 32.1124, 28.2715

Sweetspot

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



29.7488, 32.1137, 44.1663



65.4370, 69.4079, 80.7539



31.0768, 37.5325, 36.0918



14.0995, 14.9672, 17.5335



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.



29.7488, 32.1137, 44.1663



49.8950, 54.1089, 78.6201



26.9772, 26.5706, 43.2425



7.9156, 8.4306, 10.1628



8.3671, 7.8681, 30.1222



0.2870, 0.3274, 0.8560

Inverse Universe

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



32.1808, 29.1766, 35.3895



55.1055, 48.1006, 59.7523



36.4640, 40.1199, 29.4897



8.1752, 8.0833, 9.2335



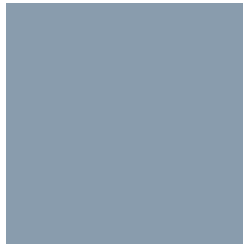
14.0870, 7.0973, 8.1034



0.4193, 0.2084, 0.3696

Previews

White Background



This preview shows how the XYZ color 29.7478, 32.1124, 44.1656 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 29.7478, 32.1124, 44.1656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

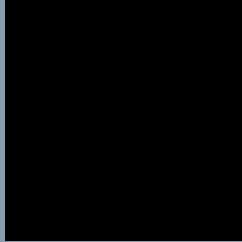
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

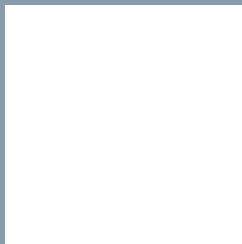
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7478, 32.1124, 44.1656

Background



This preview shows how black text looks on a background with the XYZ color 29.7478, 32.1124, 44.1656.



This preview shows how white text looks on a background with the XYZ color 29.7478, 32.1124,

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

29.7478, 32.1124, 44.1656

Protanopia

31.3414, 31.9761, 43.0482

Deuteranopia

32.4880, 31.8200, 44.4740



Tritanopia

29.3717, 32.2128, 42.2057

Trichromacy



Original Color

29.7478, 32.1124, 44.1656

Protanomaly

30.6917, 31.8720, 43.5640

Deuteranomaly

31.4459, 31.9965, 44.5630

Tritanomaly

29.4660, 32.2505, 42.7021

Monochromacy



Original Color

29.7478, 32.1124, 44.1656

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.7690, 31.5236, 37.7734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7478, 32.1124, 44.1656 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(137, 156, 173)` looks like.

```
.text, #text, p{  
    color:rgb(137, 156, 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(137, 156, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 156, 173) }
```

Border

The CSS property to change the border of an element to XYZ 29.7478, 32.1124, 44.1656 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(137, 156, 173) }
```


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

```
.border{ border-color:rgb(137, 156, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 156, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 156, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 156, 173);  
box-shadow:4px 4px 4px 4px rgb(137, 156,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7478, 32.1124, 44.1656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 156, 173) }
```

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

```
.background{ background-color: rgb(137,  
156, 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](#).

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