

Converting Colors

XYZ(29.7056, 29.3494, 28.5258)

Have a look what the booklet for
XYZ(29.7056, 29.3494, 28.5258)
contains.

XYZ(29.7925, 29.4015, 28.5309)	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(29.7925, 29.4015,
28.5309)**

Conversions

Conversions Part 1

Format	Color
Hex	A48F8B
RGB	164, 143, 139
RGB Percent	64%, 56%, 55%
CMY	0.3569, 0.4392, 0.4549
CMYK	0.00, 0.13, 0.15, 0.36
HSL	10°, 12%, 59%
HSV	10°, 15%, 64%
XYZ	29.7925, 29.4015, 28.5309
YIQ	148.8230, 13.8000, 3.2080

Conversions

Conversions Part 2

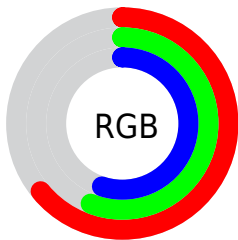
Format	Color
R_{YB}	164, 144, 139
Decimal	10784651
CIE Lab	61.13, 7.17, 5.01
CIE LCh	61, 8.746, 34.935
Yxy	29.4015, 0.3396, 0.3352
Android (android.graphics.Color)	4288974731 (0xFFA48F8B)
YUV	148.8230, -4.8427, 13.3102
Hunter-Lab	54.2232, 3.1850, 6.7593

Details

The XYZ color **29.7925, 29.4015, 28.5309** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **29.9189, 33.3102, 39.9749**, and the grayscale version is **28.5090, 29.9937, 32.6631**.

A 20% lighter version of the original color is **58.6941, 58.7983, 58.1249**, and **12.3996, 11.9947, 11.1129** is the 20% darker color. If you saturate the color by 10%, you get **26.7408, 25.0738, 22.0385**, and if you desaturate by 10%, it is **33.2796, 34.3115, 36.0560**.

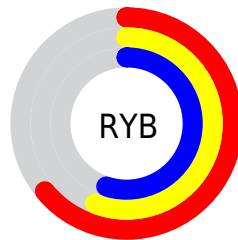
Distribution



Red (64%)

Green (56%)

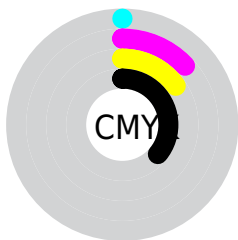
Blue (55%)



Red (64%)

Yellow (56%)

Blue (55%)

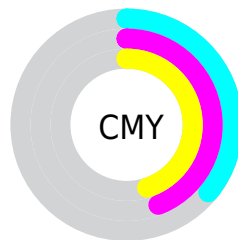


Cyan (0%)

Magenta (13%)

Yellow (15%)

Black (36%)



Cyan (36%)

Magenta (44%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7925, 29.4015, 28.5309 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 29.7925, 29.4015, 28.5309 by changing the saturation by 10% instead.

■ 29.7925, 29.4015,
28.5309

■ 29.7925, 29.4015,
28.5309

292.8633,
299.1047, 308.9865

■ 19.8284, 19.3848,
18.4837

■ 58.7228, 58.7144,
58.3642

■ 12.3779, 11.9486,
11.1248

■ 78.4197, 78.7793,
78.9874

■ 7.0756, 6.7087,
6.0356

■ 102.0915,
102.9624, 103.9730

■ 3.5562, 3.2806,
2.7976

130.1038,
131.6481, 133.7396

■ 1.4543, 1.2799,
0.9922

162.8217,
165.2208, 168.7058

■ 0.2944, 0.1256,
0.0000

200.6107,

■ 0.0000, 0.0000,

204.0649, 209.2899

0.0000

243.8361,
248.5647, 255.9106

■ 29.7925, 29.4015,
28.5309

■ 29.7925, 29.4015,
28.5309

■ 26.7408, 25.0738,
22.0385

■ 33.2796, 34.3115,
36.0560

■ 24.1048, 21.3031,
16.5320

■ 37.2157, 39.8204,
44.6543

■ 21.8671, 18.0677,
11.9634

■ 41.6171, 45.9488,
54.3663

■ 20.0081, 15.3433,
8.2802

■ 46.4983, 52.7151,
65.2299

■ 18.5062, 13.1034,
5.4248

■ 51.8734, 60.1372,
77.2812

■ 17.3380, 11.3194,
3.3325

■ 57.7556, 68.2321,
90.5547

■ 16.4770, 9.9594,
1.9291

■ 64.1579, 77.0162,
105.0835

■ 15.8913, 8.9870,
1.1211

■ 68.5473, 85.4872,
107.4956

■ 15.6852, 8.6429,
0.8416

■ 69.1200, 86.6326,
107.6865

Harmonies

Analogous

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



30.2005, 29.4015, 31.4730



29.7925, 29.4015, 28.5309



28.8900, 29.4015, 26.6261

Triad

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



29.7925, 29.4015, 28.5309



25.9948, 29.4015, 29.4113



28.1354, 29.4015, 38.7272

Complementary

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



29.7925, 29.4015, 28.5309



29.9189, 33.3102, 39.9749

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.



27.0213, 29.4015, 38.0821



29.7925, 29.4015, 28.5309



25.8051, 29.4015, 32.5596

Square

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



29.7925, 29.4015, 28.5309



26.7013, 29.4015, 27.1094



26.1760, 29.4015, 35.7680



29.2273, 29.4015, 37.4754

Rectangle

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



29.7925, 29.4015, 28.5309



28.1404, 29.4015, 26.1250



26.1760, 29.4015, 35.7680



27.7510, 29.4015, 38.7258

Sweetspot

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



29.7933, 29.4028, 28.5315



60.5083, 62.4222, 65.6661



30.9099, 28.9050, 37.3229



13.1307, 13.5097, 14.1439



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



29.7933, 29.4028, 28.5315



52.2819, 50.8280, 47.9451



31.7334, 33.2829, 29.1782



7.1612, 7.2607, 7.4041



12.0507, 6.6753, 0.6533



0.2777, 0.1892, 0.0219

Inverse Universe

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



29.9189, 33.3102, 39.9749



52.5496, 59.1785, 72.4053



27.8994, 29.2712, 39.3017



7.1791, 7.8172, 9.0336



12.1068, 15.9930, 29.3786



0.2787, 0.3846, 0.6254

Previews

White Background



This preview shows how the XYZ color 29.7925, 29.4015, 28.5309 looks on a white background.

Color Contrast Check

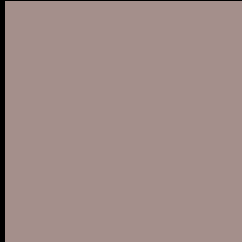
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7925, 29.4015, 28.5309 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

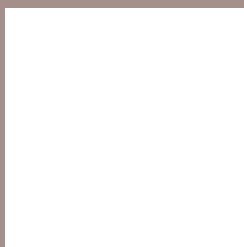
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7925, 29.4015, 28.5309

Background



This preview shows how black text looks on a background with the XYZ color 29.7925, 29.4015, 28.5309.



This preview shows how white text looks on a background with the XYZ color 29.7925, 29.4015,

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

29.7925, 29.4015, 28.5309

Protanopia

28.1903, 29.4659, 29.4010

Deuteranopia

29.9997, 29.5083, 28.5406



Tritanopia

30.9183, 29.4237, 33.7555

Trichromacy



Original Color

29.7925, 29.4015, 28.5309

Protanomaly

28.7228, 29.5191, 28.9949

Deuteranomaly

29.9997, 29.5083, 28.5406

Tritanomaly

30.4565, 29.4519, 31.6833

Monochromacy



Original Color

29.7925, 29.4015, 28.5309

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.8710, 29.7818, 31.0149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7925, 29.4015, 28.5309 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(164, 143, 139)` looks like.

```
.text, #text, p{  
    color:rgb(164, 143, 139)  
}
```

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(164, 143, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 143, 139) }
```

Border

The CSS property to change the border of an element to XYZ 29.7925, 29.4015, 28.5309 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(164, 143, 139) }
```


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

```
.border{ border-color:rgb(164, 143, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 143, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 143, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 143, 139);  
box-shadow:4px 4px 4px 4px rgb(164, 143,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7925, 29.4015, 28.5309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 143, 139) }
```

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

```
.background{ background-color: rgb(164,  
143, 139) }
```

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