

Converting Colors

XYZ(29.3176, 29.4307, 26.3006)

Have a look what the booklet for
XYZ(29.3176, 29.4307, 26.3006)
contains.

XYZ(29.3112, 29.4265, 26.3253)	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(29.3112, 29.4265,
26.3253)**

Conversions

Conversions Part 1

Format	Color
Hex	A39085
RGB	163, 144, 133
RGB Percent	64%, 56%, 52%
CMY	0.3608, 0.4353, 0.4784
CMYK	0.00, 0.12, 0.18, 0.36
HSL	22°, 14%, 58%
HSV	22°, 18%, 64%
XYZ	29.3112, 29.4265, 26.3253
YIQ	148.4270, 14.8550, 0.6070

Conversions

Conversions Part 2

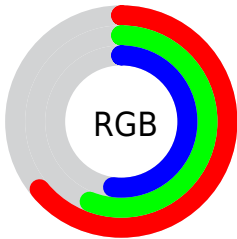
Format	Color
R_{YB}	163, 150, 133
Decimal	10719365
CIE Lab	61.16, 5.24, 8.43
CIE LCh	61, 9.927, 58.159
Yxy	29.4265, 0.3446, 0.3459
Android (android.graphics.Color)	4288909445 (0xFFA39085)
YUV	148.4270, -7.6055, 12.7805
Hunter-Lab	54.2462, 1.5192, 9.1993

Details

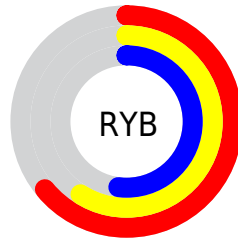
The XYZ color **29.3112, 29.4265, 26.3253** is a light color, and the websafe version is hex **999999**. A complement of this color would be **27.5119, 30.0868, 39.0080**, and the grayscale version is **28.3538, 29.8304, 32.4853**.

A 20% lighter version of the original color is **57.9705, 58.8388, 54.7560**, and **12.1585, 12.0250, 10.0677** is the 20% darker color. If you saturate the color by 10%, you get **26.7790, 26.0264, 20.3498**, and if you desaturate by 10%, it is **32.1628, 33.1851, 33.2702**.

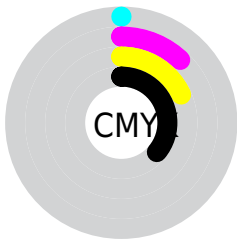
Distribution



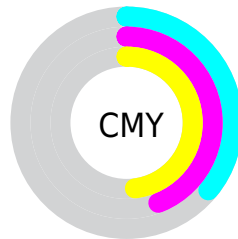
- Red (64%)
- Green (56%)
- Blue (52%)



- Red (64%)
- Yellow (59%)
- Blue (52%)



- Cyan (0%)
- Magenta (12%)
- Yellow (18%)
- Black (36%)



- Cyan (36%)
- Magenta (44%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3112, 29.4265, 26.3253 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 29.3112, 29.4265, 26.3253 by changing the saturation by 10% instead.

■ 29.3112, 29.4265,
26.3253

■ 29.3112, 29.4265,
26.3253

290.6482,
299.2220, 298.0315

■ 19.4618, 19.4037,
16.8392

■ 57.9653, 58.7540,
54.7898

■ 12.1104, 11.9623,
9.9592

■ 77.5007, 78.8275,
74.6053

■ 6.8917, 6.7180,
5.2666

■ 100.9956,
103.0201, 98.7009

■ 3.4402, 3.2864,
2.3431

128.8152,
131.7161, 127.4954

■ 1.3906, 1.2830,
0.7552

161.3249,
165.2998, 161.4071

■ 0.2495, 0.1280,
0.0000

198.8901,

■ 0.0000, 0.0000,

204.1558, 200.8547

0.0000

241.8761,
248.6684, 246.2566

■ 29.3112, 29.4265,
26.3253

■ 29.3112, 29.4265,
26.3253

■ 26.7790, 26.0264,
20.3498

■ 32.1628, 33.1851,
33.2702

■ 24.5519, 22.9700,
15.2982

■ 35.3425, 37.3084,
41.2234

■ 22.6181, 20.2472,
11.1242

■ 38.8617, 41.8079,
50.2240

■ 20.9639, 17.8458,
7.7767

■ 42.7306, 46.6929,
60.3085

■ 19.5745, 15.7530,
5.1991

■ 46.9589, 51.9727,
71.5114

■ 18.4336, 13.9548,
3.3278

■ 51.5558, 57.6560,
83.8659

■ 17.5225, 12.4360,
2.0885

■ 56.5302, 63.7515,
97.4038

■ 16.8105, 11.1759,
1.3458

■ 60.5082, 69.7142,
104.8748

■ 16.7089, 10.9957,
1.2417

■ 63.4096, 75.5170,
105.8419

Harmonies

Analogous

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



30.2357, 29.4265, 28.7734



29.3112, 29.4265, 26.3253



28.0495, 29.4265, 25.3929

Triad

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



29.3112, 29.4265, 26.3253



25.5398, 29.4265, 31.8106



29.1676, 29.4265, 38.7893

Complementary

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



29.3112, 29.4265, 26.3253



27.5119, 30.0868, 39.0080

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.



27.8886, 29.4265, 39.7574



29.3112, 29.4265, 26.3253



25.8185, 29.4265, 35.5459

Square

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



29.3112, 29.4265, 26.3253



25.8949, 29.4265, 28.4034



26.6684, 29.4265, 38.5281



30.1510, 29.4265, 35.9754

Rectangle

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



29.3112, 29.4265, 26.3253



27.1957, 29.4265, 25.6969



26.6684, 29.4265, 38.5281



28.7568, 29.4265, 39.3505

Sweetspot

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



29.3120, 29.4278, 26.3259



58.8536, 61.0662, 62.6880



29.1597, 26.8290, 33.3478



13.1426, 13.6166, 13.8917



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.



29.3120, 29.4278, 26.3259



50.6117, 50.1883, 42.6586



31.7364, 34.2767, 27.1341



7.2766, 7.4916, 7.4426



13.0261, 8.6261, 0.9785



0.3177, 0.2693, 0.0352

Inverse Universe

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



27.5119, 30.0868, 39.0080



46.7941, 51.5833, 69.5464



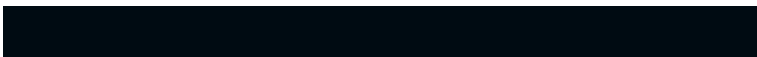
25.2298, 25.5226, 38.2473



7.0567, 7.5723, 8.9927



8.9685, 9.7165, 28.3326



0.2311, 0.2895, 0.6096

Previews

White Background



This preview shows how the XYZ color 29.3112, 29.4265, 26.3253 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 29.3112, 29.4265, 26.3253 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 29.3112, 29.4265, 26.3253

Background



This preview shows how black text looks on a background with the XYZ color 29.3112, 29.4265, 26.3253.



This preview shows how white text looks on a background with the XYZ color 29.3112, 29.4265,

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

29.3112, 29.4265, 26.3253

Protanopia

27.9438, 29.3890, 27.1215

Deuteranopia

29.8430, 29.2549, 26.2642



Tritanopia

30.7094, 29.3161, 33.7458

Trichromacy



Original Color

29.3112, 29.4265, 26.3253

Protanomaly

28.4866, 29.4471, 26.7367

Deuteranomaly

29.7820, 29.4454, 26.3041

Tritanomaly

30.0937, 29.2828, 30.8541

Monochromacy



Original Color

29.3112, 29.4265, 26.3253

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.5285, 29.6229, 30.2008

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3112, 29.4265, 26.3253 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(163, 144, 133)` looks like.

```
.text, #text, p{  
    color:rgb(163, 144, 133)  
}
```

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(163, 144, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 144, 133) }
```

Border

The CSS property to change the border of an element to XYZ 29.3112, 29.4265, 26.3253 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(163, 144, 133) }
```


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

```
.border{ border-color:rgb(163, 144, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 144, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 144, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 144, 133);  
box-shadow:4px 4px 4px 4px rgb(163, 144,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3112, 29.4265, 26.3253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 144, 133) }
```

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

```
.background{ background-color: rgb(163,  
144, 133) }
```

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