

Converting Colors

XYZ(28.8546, 29.7583, 21.3610)

Have a look what the booklet for
XYZ(28.8546, 29.7583, 21.3610)
contains.

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Color

**XYZ(28.8587, 29.7583,
21.3624)**

Conversions

Conversions Part 1

Format	Color
Hex	A49276
RGB	164, 146, 118
RGB Percent	64%, 57%, 46%
CMY	0.3569, 0.4274, 0.5373
CMYK	0.00, 0.11, 0.28, 0.36
HSL	37°, 20%, 55%
HSV	37°, 28%, 64%
XYZ	28.8587, 29.7583, 21.3624
YIQ	148.1900, 19.7160, -4.8920

Conversions

Conversions Part 2

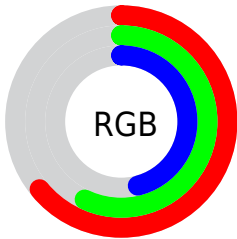
Format	Color
R_{YB}	148, 164, 118
Decimal	10785398
CIE _{Lab}	61.45, 2.24, 17.31
CIE _{LCh}	61, 17.457, 82.613
Yxy	29.7583, 0.3608, 0.3721
Android (android.graphics.Color)	4288975478 (0xFFA49276)
YUV	148.1900, -14.8837, 13.8654
Hunter-Lab	54.5512, -1.0343, 14.9677

Details

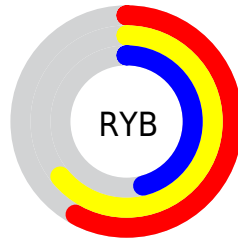
The XYZ color **28.8587, 29.7583, 21.3624** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **22.9759, 24.1394, 38.5703**, and the grayscale version is **28.2827, 29.7556, 32.4038**.

A 20% lighter version of the original color is **57.1234, 59.2709, 46.4599**, and **11.9705, 12.2527, 7.5284** is the 20% darker color. If you saturate the color by 10%, you get **27.0064, 27.4800, 16.3477**, and if you desaturate by 10%, it is **30.9375, 32.2181, 27.2894**.

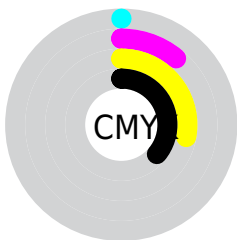
Distribution



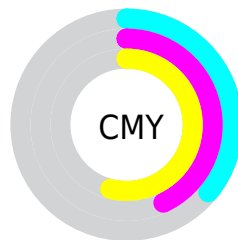
- Red (64%)
- Green (57%)
- Blue (46%)



- Red (58%)
- Yellow (64%)
- Blue (46%)



- Cyan (0%)
- Magenta (11%)
- Yellow (28%)
- Black (36%)



- Cyan (36%)
- Magenta (43%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8587, 29.7583, 21.3624 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 28.8587, 29.7583, 21.3624 by changing the saturation by 10% instead.

■ 28.8587, 29.7583,
21.3624

■ 28.8587, 29.7583,
21.3624

288.5539,
300.7762, 272.0423

■ 19.1177, 19.6552,
13.1953

■ 57.2516, 59.2797,
46.5785

■ 11.8599, 12.1447,
7.4309

■ 76.6343, 79.4669,
64.4646

■ 6.7198, 6.8423,
3.6505

■ 99.9615, 103.7841,
86.4275

■ 3.3323, 3.3637,
1.4356

127.5987,
132.6159, 112.8857

■ 1.3318, 1.3244,
0.1693

159.9111,
166.3466, 144.2577

■ 0.2068, 0.1600,
0.0000

197.2643,

■ 0.0000, 0.0000,

205.3606, 180.9621

0.0000

240.0234,
250.0424, 223.4174

■ 28.8587, 29.7583,
21.3624

■ 28.8587, 29.7583,
21.3624

■ 27.0064, 27.4800,
16.3477

■ 30.9375, 32.2181,
27.2894

■ 25.3687, 25.3739,
12.1969

■ 33.2496, 34.8604,
34.1698

■ 23.9358, 23.4356,
8.8599

■ 35.8042, 37.6914,
42.0448

■ 22.6962, 21.6590,
6.2808

■ 38.6093, 40.7154,
50.9524

■ 21.6371, 20.0375,
4.3964

■ 41.6725, 43.9370,
60.9286

■ 20.7434, 18.5633,
3.1331

■ 45.0010, 47.3603,
72.0076

■ 19.9900, 17.2249,
2.3631

■ 48.6020, 50.9894,
84.2222

■ 19.8517, 16.9762,
2.2304

■ 52.4819, 54.8282,
97.6039

■ 54.8929, 58.1786,
102.9442

Harmonies

Analogous

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



31.0651, 29.7583, 23.3170



28.8587, 29.7583, 21.3624



26.6123, 29.7583, 22.0294

Triad

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



28.8587, 29.7583, 21.3624



24.3828, 29.7583, 37.5379



31.9586, 29.7583, 40.7467

Complementary

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



28.8587, 29.7583, 21.3624



22.9759, 24.1394, 38.5703

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.



30.0251, 29.7583, 45.6056



28.8587, 29.7583, 21.3624



25.6747, 29.7583, 43.5842

Square

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



28.8587, 29.7583, 21.3624



24.1082, 29.7583, 30.7952



27.7177, 29.7583, 46.7089



32.9170, 29.7583, 34.0632

Rectangle

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



28.8587, 29.7583, 21.3624



25.3852, 29.7583, 23.9203



27.7177, 29.7583, 46.7089



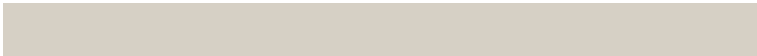
31.3963, 29.7583, 42.6828

Sweetspot

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



28.8595, 29.7597, 21.3630



60.3086, 63.2268, 61.8872



26.2609, 22.6386, 26.4277



13.0461, 13.6663, 13.1110



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.



28.8595, 29.7597, 21.3630



50.1229, 51.2555, 32.5962



30.9231, 35.2708, 22.3180



7.4157, 7.7697, 7.4889



15.2686, 13.1112, 1.7260



0.3648, 0.3635, 0.0509

Inverse Universe

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



22.9759, 24.1394, 38.5703



37.5602, 39.2590, 69.3504



21.2908, 19.8191, 37.8253



6.9171, 7.2933, 8.9462



6.5943, 4.9679, 27.5411



0.1838, 0.1948, 0.5938

Previews

White Background



This preview shows how the XYZ color 28.8587, 29.7583, 21.3624 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 28.8587, 29.7583, 21.3624 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

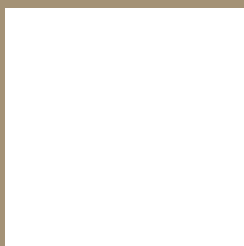
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.8587, 29.7583, 21.3624

Background



This preview shows how black text looks on a background with the XYZ color 28.8587, 29.7583, 21.3624.



This preview shows how white text looks on a background with the XYZ color 28.8587, 29.7583,

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

28.8587, 29.7583, 21.3624

Protanopia

28.0202, 29.7808, 21.7242

Deuteranopia

30.3858, 29.8611, 21.6150



Tritanopia

31.3408, 29.6416, 33.7753

Trichromacy



Original Color

28.8587, 29.7583, 21.3624

Protanomaly

28.2607, 29.6729, 21.6907

Deuteranomaly

29.8806, 29.8245, 21.6346

Tritanomaly

30.4924, 29.7539, 28.9469

Monochromacy



Original Color

28.8587, 29.7583, 21.3624

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.2755, 29.5436, 27.8791

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8587, 29.7583, 21.3624 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, 146, 118)` looks like.

```
.text, #text, p{  
    color:rgb(164, 146, 118)  
}
```

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, 146, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 146, 118) }
```

Border

The CSS property to change the border of an element to XYZ 28.8587, 29.7583, 21.3624 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, 146, 118) }
```


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

```
.border{ border-color:rgb(164, 146, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 146, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 146, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 146, 118);  
box-shadow:4px 4px 4px 4px rgb(164, 146,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8587, 29.7583, 21.3624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 146, 118) }
```

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

```
.background{ background-color: rgb(164,  
146, 118) }
```

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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