

Converting Colors

XYZ(41.6321, 42.1875, 58.0999)

Have a look what the booklet for
XYZ(41.6321, 42.1875, 58.0999)
contains.

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Color

**XYZ(41.7296, 42.2612,
58.1824)**

Conversions

Conversions Part 1

Format	Color
Hex	ACACC4
RGB	172, 172, 196
RGB Percent	67%, 67%, 77%
CMY	0.3255, 0.3255, 0.2314
CMYK	0.12, 0.12, 0.00, 0.23
HSL	240°, 17%, 72%
HSV	240°, 12%, 77%
XYZ	41.7296, 42.2612, 58.1824
YIQ	174.7360, -7.7040, 7.4640

Conversions

Conversions Part 2

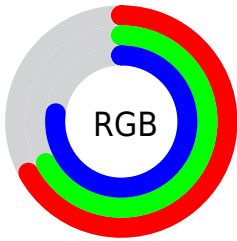
Format	Color
R _{YB}	172, 172, 196
Decimal	11316420
CIE _{Lab}	71.05, 4.80, -12.21
CIE _{LCh}	71, 13.118, 291.466
Yxy	42.2612, 0.2935, 0.2973
Android (android.graphics.Color)	4289506500 (0xFFACACC4)
YUV	174.7360, 10.4832, -2.3995
Hunter-Lab	65.0086, 0.8156, -7.5582

Details

The XYZ color **41.7296, 42.2612, 58.1824** is a light color, and the websafe version is hex **999999**. A complement of this color would be **49.9516, 54.1940, 46.8585**, and the grayscale version is **40.5626, 42.6750, 46.4731**.

A 20% lighter version of the original color is **76.8773, 78.3609, 104.0018**, and **19.3447, 19.3790, 28.3121** is the 20% darker color. If you saturate the color by 10%, you get **34.2823, 33.2881, 56.8436**, and if you desaturate by 10%, it is **50.3640, 52.6651, 59.7361**.

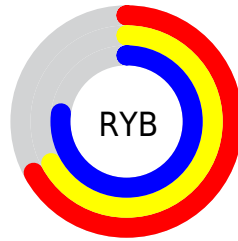
Distribution



Red (67%)

Green (67%)

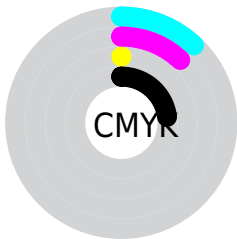
Blue (77%)



Red (67%)

Yellow (67%)

Blue (77%)

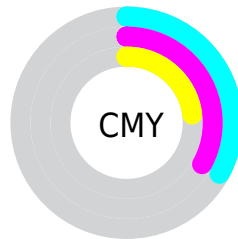


Cyan (12%)

Magenta (12%)

Yellow (0%)

Black (23%)



Cyan (33%)

Magenta (33%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7296, 42.2612, 58.1824 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 41.7296, 42.2612, 58.1824 by changing the saturation by 10% instead.

■ 41.7296, 42.2612,
58.1824

■ 41.7296, 42.2612,
58.1824

344.3715,
355.5646, 435.4825

■ 29.0798, 29.3059,
41.5396

■ 77.0580, 78.5948,
103.7058

■ 19.2858, 19.3123,
28.4181

100.4672,
102.7418, 133.4236

■ 11.9822, 11.8962,
18.3993

128.1937,
131.3882, 168.3367

■ 6.8037, 6.6730,
11.0646

160.6027,
164.9184, 208.8638

■ 3.3849, 3.2585,
5.9956

198.0597,
203.7167, 255.4234

■ 1.3604, 1.2681,
2.7737

240.9299,

■ 0.2277, 0.1163,

248.1676, 308.4340

0.9803

289.5787,
298.6554, 368.3142

■ 0.0000, 0.0000,
0.0000

■ 41.7296, 42.2612,
58.1824

■ 41.7296, 42.2612,
58.1824

■ 34.2823, 33.2881,
56.8436

■ 50.3640, 52.6651,
59.7361

■ 27.9666, 25.6782,
55.7076

■ 60.2301, 64.5528,
61.5107

■ 22.7283, 19.3665,
54.7654

■ 71.3749, 77.9812,
63.5152

■ 18.5074, 14.2804,
54.0062

■ 83.8420, 93.0028,
65.7576

■ 15.2376, 10.3405,
53.4180

■ 86.9639, 96.7656,
66.3194

■ 12.8453, 7.4579,
52.9877

■ 11.2459, 5.5306,
52.7000

■ 10.3381, 4.4366,
52.5367

■ 9.9641, 3.9859,
52.4694

Harmonies

Analogous

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



39.5460, 42.2612, 59.0087



41.7296, 42.2612, 58.1824



43.5546, 42.2612, 53.9488

Triad

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



41.7296, 42.2612, 58.1824



42.8502, 42.2612, 37.2074



36.1440, 42.2612, 44.2479

Complementary

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



41.7296, 42.2612, 58.1824



49.9516, 54.1940, 46.8585

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.



36.9617, 42.2612, 38.9003



41.7296, 42.2612, 58.1824



40.7964, 42.2612, 35.0846

Square

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



41.7296, 42.2612, 58.1824



44.2178, 42.2612, 41.7394



38.6459, 42.2612, 35.6749



36.3734, 42.2612, 50.5736

Rectangle

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



41.7296, 42.2612, 58.1824



44.2965, 42.2612, 49.9581



38.6459, 42.2612, 35.6749



36.3044, 42.2612, 42.2855

Sweetspot

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



41.7309, 42.2630, 58.1833



88.2286, 91.7809, 107.6731



46.6723, 52.2186, 59.6061



18.6188, 19.3246, 22.9987



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



41.7309, 42.2630, 58.1833



71.3403, 71.4320, 104.6355



44.3887, 43.6326, 58.3076



9.5284, 9.7481, 12.6642



6.4023, 2.5612, 33.7135



0.2766, 0.1107, 1.4567

Inverse Universe

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



44.9649, 44.2204, 45.1972



78.4807, 75.7538, 75.9630



47.0503, 52.6990, 46.7228



10.0733, 10.0779, 10.4764



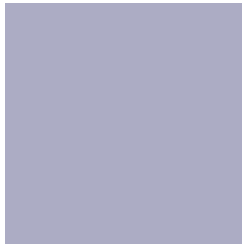
14.6276, 7.5408, 0.6849



0.6320, 0.3258, 0.0297

Previews

White Background



This preview shows how the XYZ color 41.7296, 42.2612, 58.1824 looks on a white background.

Color Contrast Check

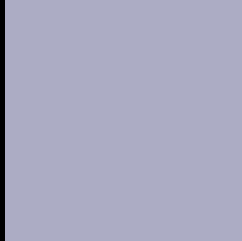
Large Text (above 18pt) WCAG AA × Fail

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 41.7296, 42.2612, 58.1824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

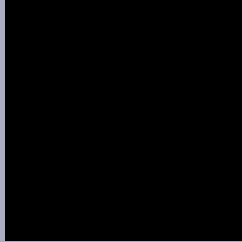
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.7296, 42.2612, 58.1824

Background



This preview shows how black text looks on a background with the XYZ color 41.7296, 42.2612, 58.1824.



This preview shows how white text looks on a background with the XYZ color 41.7296, 42.2612,

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

41.7296, 42.2612, 58.1824

Protanopia

41.4849, 42.4187, 58.2257

Deuteranopia

43.0884, 42.1105, 58.6804



Tritanopia

40.7078, 42.1329, 53.0006

Trichromacy



Original Color

41.7296, 42.2612, 58.1824

Protanomaly

41.7020, 42.5306, 58.2358

Deuteranomaly

42.5842, 42.1278, 58.7104

Tritanomaly

41.0324, 42.2628, 54.7101

Monochromacy



Original Color

41.7296, 42.2612, 58.1824

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

41.1389, 42.6897, 50.8714

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7296, 42.2612, 58.1824 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(172, 172, 196)` looks like.

```
.text, #text, p{  
    color:rgb(172, 172, 196)  
}
```

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(172, 172, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 172, 196) }
```

Border

The CSS property to change the border of an element to XYZ 41.7296, 42.2612, 58.1824 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(172, 172, 196) }
```


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

```
.border{ border-color:rgb(172, 172, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 172, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 172, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 172, 196);  
box-shadow:4px 4px 4px 4px rgb(172, 172,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7296, 42.2612, 58.1824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 172, 196) }
```

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

```
.background{ background-color: rgb(172,  
172, 196) }
```

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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