

Converting Colors

XYZ(42.8715, 32.5549, 56.8083)

Have a look what the booklet for
XYZ(42.8715, 32.5549, 56.8083)
contains.

XYZ(42.8301, 32.5691, 56.8524)	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(42.8301, 32.5691,
56.8524)**

Conversions

Conversions Part 1

Format	Color
Hex	CC81C5
RGB	204, 129, 197
RGB Percent	80%, 51%, 77%
CMY	0.2000, 0.4941, 0.2274
CMYK	0.00, 0.37, 0.03, 0.20
HSL	306°, 42%, 65%
HSV	306°, 37%, 80%
XYZ	42.8301, 32.5691, 56.8524
YIQ	159.1770, 22.8720, 37.0480

Conversions

Conversions Part 2

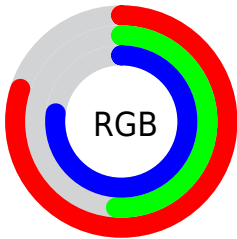
Format	Color
RYB	204, 129, 197
Decimal	13402565
CIELab	63.81, 39.32, -23.45
CIELCh	64, 45.779, 329.194
Yxy	32.5691, 0.3239, 0.2463
Android (android.graphics.Color)	4291592645 (0xFFCC81C5)
YUV	159.1770, 18.6467, 39.3098
Hunter-Lab	57.0693, 34.0915, -19.1161

Details

The XYZ color **42.8301, 32.5691, 56.8524** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **35.0914, 49.6314, 31.0248**, and the grayscale version is **32.9466, 34.6623, 37.7473**.

A 20% lighter version of the original color is **76.0629, 62.2827, 101.7787**, and **19.8951, 13.7278, 27.5878** is the 20% darker color. If you saturate the color by 10%, you get **40.1899, 27.6351, 54.9029**, and if you desaturate by 10%, it is **46.0115, 38.5799, 58.9966**.

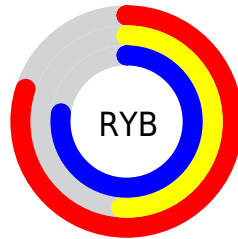
Distribution



Red (80%)

Green (51%)

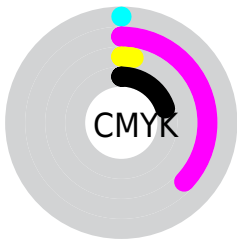
Blue (77%)



Red (80%)

Yellow (51%)

Blue (77%)

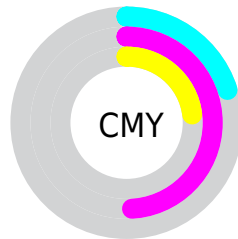


Cyan (0%)

Magenta (37%)

Yellow (3%)

Black (20%)



Cyan (20%)


Magenta (49%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8301, 32.5691, 56.8524 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 42.8301, 32.5691, 56.8524 by changing the saturation by 10% instead.


 42.8301, 32.5691,
56.8524

 42.8301, 32.5691,
56.8524

348.8460,
313.7036, 430.3742


 29.9458, 21.7966,
40.4782


 78.7117, 63.7022,
101.7480

 19.9453, 13.7075,
27.5950


 102.4397, 84.8315,
131.1064

 12.4633, 7.9175,
17.7842


 130.5130,
110.1819, 165.6300

 7.1345, 4.0422,
10.6273

163.2969,
140.1378, 205.7373

 3.5934, 1.6972,
5.7058

201.1568,
175.0835, 251.8468

 1.4748, 0.4218,
2.6012

244.4581,

 0.3086, 0.0000,

215.4034, 304.3771

0.8931

293.5660,
261.4820, 363.7468

■ 0.0000, 0.0000,
0.0000

■ 42.8301, 32.5691,
56.8524

■ 42.8301, 32.5691,
56.8524

■ 40.1899, 27.6351,
54.9029

■ 46.0115, 38.5799,
58.9966

■ 38.0558, 23.7095,
53.1353

■ 49.7605, 45.7220,
61.3432

■ 36.3932, 20.7224,
51.5384


■ 54.1054, 54.0515,
63.9023


■ 35.1619, 18.5939,
50.0987


■ 59.0717, 63.6195,
66.6822


■ 34.3153, 17.2300,
48.8006


■ 64.6836, 74.4740,
69.6910


 33.7917, 16.5080,
47.6236

 70.9637, 86.6605,
72.9365

 33.6548, 16.3386,
47.2563

 72.3361, 89.0271,
74.5599

 72.5753, 89.1228,
75.8196

 72.8174, 89.2196,
77.0942

Harmonies

Analogous

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



37.3837, 32.5691, 76.2022



42.8301, 32.5691, 56.8524



45.0303, 32.5691, 35.9626

Triad

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



42.8301, 32.5691, 56.8524



31.1302, 32.5691, 10.5394



21.3722, 32.5691, 55.6789

Complementary

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



42.8301, 32.5691, 56.8524



35.0914, 49.6314, 31.0248

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.



20.1701, 32.5691, 34.9665



42.8301, 32.5691, 56.8524



25.3108, 32.5691, 12.6693

Square

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



42.8301, 32.5691, 56.8524



37.7263, 32.5691, 12.9218



21.5083, 32.5691, 20.2488



25.0483, 32.5691, 75.3759

Rectangle

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



42.8301, 32.5691, 56.8524



44.1557, 32.5691, 25.0524



21.5083, 32.5691, 20.2488



20.6899, 32.5691, 48.4174

Sweetspot

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



42.8311, 32.5706, 56.8531



86.3267, 83.2233, 103.9268



28.7828, 25.2335, 60.4809



18.2662, 17.4082, 22.1201



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.



42.8311, 32.5706, 56.8531



67.4418, 47.4086, 91.6044



39.1204, 31.0862, 37.3124



11.6406, 11.3850, 13.9082



21.2010, 10.2910, 29.8409



1.1072, 0.5363, 1.6104

Inverse Universe

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



42.8311, 32.5706, 56.8531



67.4418, 47.4086, 91.6044



38.1660, 50.8613, 47.2154



11.6406, 11.3850, 13.9082



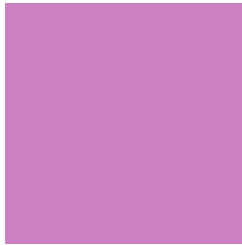
21.2010, 10.2910, 29.8409



1.1072, 0.5363, 1.6104

Previews

White Background



This preview shows how the XYZ color 42.8301, 32.5691, 56.8524 looks on a white background.

Color Contrast Check

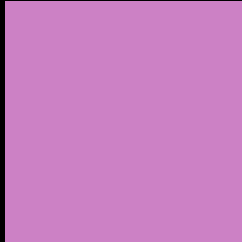
Large Text (above 18pt) WCAG AA × Fail

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 42.8301, 32.5691, 56.8524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

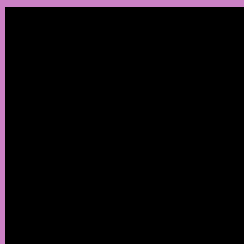
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.8301, 32.5691, 56.8524

Background



This preview shows how black text looks on a background with the XYZ color 42.8301, 32.5691, 56.8524.



This preview shows how white text looks on a background with the XYZ color 42.8301, 32.5691,

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

42.8301, 32.5691, 56.8524

Protanopia

33.8103, 32.9230, 68.8628

Deuteranopia

33.6164, 32.8860, 55.0279



Tritanopia

37.9461, 32.6409, 32.7341

Trichromacy



Original Color

42.8301, 32.5691, 56.8524



Protanomaly

36.0564, 32.0777, 63.9657



Deuteranomaly

36.2884, 32.3876, 55.3778



Tritanomaly

39.3663, 32.3605, 40.2478

Monochromacy



Original Color

42.8301, 32.5691, 56.8524



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

35.8119, 33.3109, 44.0773

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8301, 32.5691, 56.8524 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(204, 129, 197)` looks like.

```
.text, #text, p{  
    color:rgb(204, 129, 197)  
}
```

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(204, 129, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 129, 197) }
```

Border

The CSS property to change the border of an element to XYZ 42.8301, 32.5691, 56.8524 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(204, 129, 197) }
```


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

```
.border{ border-color:rgb(204, 129, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 129, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 129, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 129, 197);  
box-shadow:4px 4px 4px 4px rgb(204, 129,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8301, 32.5691, 56.8524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 129, 197) }
```

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

```
.background{ background-color: rgb(204,  
129, 197) }
```

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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