

Converting Colors

XYZ(42.3397, 41.8249, 82.1175)

Have a look what the booklet for
XYZ(42.3397, 41.8249, 82.1175)
contains.

XYZ(42.2653, 41.7243, 82.1699)	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(42.2653, 41.7243,
82.1699)**

Conversions

Conversions Part 1

Format	Color
Hex	99ABE8
RGB	153, 171, 232
RGB Percent	60%, 67%, 91%
CMY	0.4000, 0.3294, 0.0902
CMYK	0.34, 0.26, 0.00, 0.09
HSL	226°, 63%, 75%
HSV	226°, 34%, 91%
XYZ	42.2653, 41.7243, 82.1699
YIQ	172.5720, -30.3090, 15.1550

Conversions

Conversions Part 2

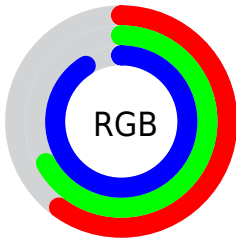
Format	Color
R _Y B	153, 168, 232
Decimal	10071016
CIE Lab	70.68, 8.02, -32.64
CIE LCh	71, 33.609, 283.798
Yxy	41.7243, 0.2544, 0.2511
Android (android.graphics.Color)	4288261096 (0xFF99ABE8)
YUV	172.5720, 29.2980, -17.1646
Hunter-Lab	64.5943, 3.7558, -30.2062

Details

The XYZ color **42.2653, 41.7243, 82.1699** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **63.0761, 67.5500, 39.8526**, and the grayscale version is **39.3707, 41.4211, 45.1076**.

A 20% lighter version of the original color is **71.5409, 75.1680, 105.3460**, and **19.5789, 18.9809, 43.7061** is the 20% darker color. If you saturate the color by 10%, you get **35.1473, 33.3682, 80.9329**, and if you desaturate by 10%, it is **50.6960, 51.4397, 83.6016**.

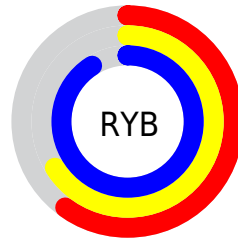
Distribution



Red (60%)

Green (67%)

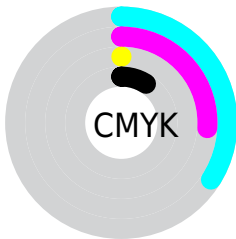
Blue (91%)



Red (60%)

Yellow (66%)

Blue (91%)

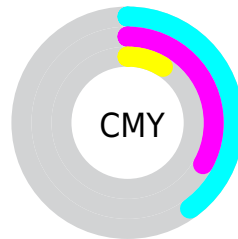


Cyan (34%)

Magenta (26%)

Yellow (0%)

Black (9%)



Cyan (40%)

Magenta (33%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2653, 41.7243, 82.1699 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 42.2653, 41.7243, 82.1699 by changing the saturation by 10% instead.

■ 42.2653, 41.7243,
82.1699

■ 42.2653, 41.7243,
82.1699

346.5545,
353.3388, 522.1142

■ 29.5011, 28.8855,
60.9690

■ 77.8636, 77.7822,
138.2511

■ 19.6064, 18.9942,
43.7697

■ 101.4285,
101.7701, 173.9683

■ 12.2159, 11.6661,
30.1537

129.3243,
130.2430, 215.3615

■ 6.9641, 6.5167,
19.7022

161.9163,
163.5856, 262.8491

■ 3.4858, 3.1618,
11.9968

199.5700,
202.1820, 316.8496

■ 1.4156, 1.2168,
6.6190

242.6507,

■ 0.2673, 0.0753,

246.4167, 377.7816

3.1502

291.5237,
296.6742, 446.0636

■ 0.0000, 0.0000,
1.1718

■ 0.0000, 0.0000,
0.0000

■ 42.2653, 41.7243,
82.1699

■ 42.2653, 41.7243,
82.1699

■ 35.1473, 33.3682,
80.9329

■ 50.6960, 51.4397,
83.6016

■ 29.2699, 26.3044,
79.8792

■ 60.4981, 62.5676,
85.2328

■ 24.5604, 20.4671,
79.0007

■ 71.7316, 75.1642,
87.0721

■ 20.9362, 15.7828,
78.2876

■ 84.4517, 89.2811,
89.1266

■ 18.3034, 12.1690,
77.7288

■ 91.5656, 98.6063,
90.5516

■ 16.5501, 9.5308,
77.3120

■ 15.8324, 8.3598,
77.1238

Harmonies

Analogous

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



36.7459, 41.7243, 81.6769



42.2653, 41.7243, 82.1699



47.5355, 41.7243, 71.3384

Triad

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



42.2653, 41.7243, 82.1699



47.8946, 41.7243, 27.3478



30.2429, 41.7243, 37.4040

Complementary

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



42.2653, 41.7243, 82.1699



63.0761, 67.5500, 39.8526

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.



32.7022, 41.7243, 26.7047



42.2653, 41.7243, 82.1699



42.7194, 41.7243, 21.8966

Square

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



42.2653, 41.7243, 82.1699



50.9853, 41.7243, 38.5057



37.1596, 41.7243, 21.6926



30.1460, 41.7243, 53.1398

Rectangle

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



42.2653, 41.7243, 82.1699



50.0559, 41.7243, 60.3519



37.1596, 41.7243, 21.6926



30.8095, 41.7243, 33.1969

Sweetspot

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



42.2667, 41.7259, 82.1709



80.3201, 83.5548, 106.5021



54.0770, 69.3195, 73.8595



16.7803, 17.4218, 22.7283



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.



42.2667, 41.7259, 82.1709



45.8992, 44.1239, 100.7054



43.4286, 37.6166, 81.3165



13.8479, 14.4172, 18.1973



8.8678, 4.7977, 42.8418



0.7245, 0.4928, 3.1889

Inverse Universe

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



52.0219, 42.8801, 44.0644



59.8848, 46.2832, 45.9605



61.4523, 73.8531, 41.1548



14.5108, 14.4215, 15.6244



18.8696, 9.6820, 2.9421



1.4293, 0.7294, 0.4012

Previews

White Background



This preview shows how the XYZ color 42.2653, 41.7243, 82.1699 looks on a white background.

Color Contrast Check

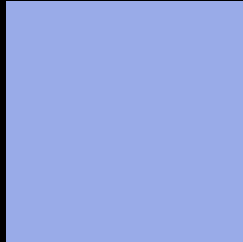
Large Text (above 18pt) WCAG AA × Fail

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 42.2653, 41.7243, 82.1699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

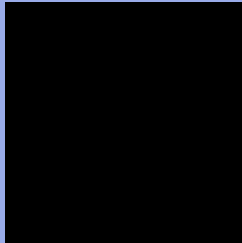
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.2653, 41.7243, 82.1699

Background



This preview shows how black text looks on a background with the XYZ color 42.2653, 41.7243, 82.1699.



This preview shows how white text looks on a background with the XYZ color 42.2653, 41.7243,

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

42.2653, 41.7243, 82.1699

Protanopia

42.4578, 41.5442, 82.1250

Deuteranopia

42.6505, 41.6436, 82.1340



Tritanopia

37.0476, 41.6203, 56.5330

Trichromacy



Original Color

42.2653, 41.7243, 82.1699

Protanomaly

42.2666, 41.4457, 82.1161

Deuteranomaly

42.4578, 41.5442, 82.1250

Tritanomaly

38.6251, 41.3680, 64.9805

Monochromacy



Original Color

42.2653, 41.7243, 82.1699

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

40.2160, 41.5071, 56.9310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2653, 41.7243, 82.1699 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(153, 171, 232)` looks like.

```
.text, #text, p{  
    color:rgb(153, 171, 232)  
}
```

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(153, 171, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 171, 232) }
```

Border

The CSS property to change the border of an element to XYZ 42.2653, 41.7243, 82.1699 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(153, 171, 232) }
```


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

```
.border{ border-color:rgb(153, 171, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 171, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 171, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 171, 232);  
box-shadow:4px 4px 4px 4px rgb(153, 171,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2653, 41.7243, 82.1699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 171, 232) }
```

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

```
.background{ background-color: rgb(153,  
171, 232) }
```

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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