

Converting Colors

XYZ(52.1470, 32.8185, 72.9402)

Have a look what the booklet for
XYZ(52.1470, 32.8185, 72.9402)
contains.

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Color

**XYZ(52.1681, 32.8695,
72.7021)**

Conversions

Conversions Part 1

Format	Color
Hex	EA69DE
RGB	234, 105, 222
RGB Percent	92%, 41%, 87%
CMY	0.0823, 0.5882, 0.1294
CMYK	0.00, 0.55, 0.05, 0.08
HSL	306°, 75%, 66%
HSV	306°, 55%, 92%
XYZ	52.1681, 32.8695, 72.7021
YIQ	156.9090, 39.3270, 63.7350

Conversions

Conversions Part 2

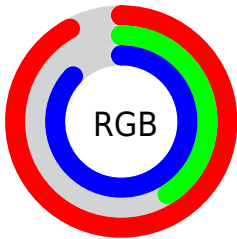
Format	Color
R _Y B	234, 105, 222
Decimal	15362526
CIE Lab	64.06, 64.31, -36.78
CIE LCh	64, 74.089, 330.235
Yxy	32.8695, 0.3307, 0.2084
Android (android.graphics.Color)	4293552606 (0xFFEA69DE)
YUV	156.9090, 32.0899, 67.6088
Hunter-Lab	57.3319, 62.0918, -35.0528

Details

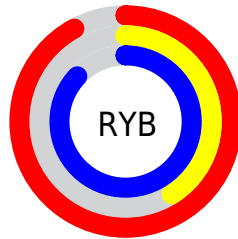
The XYZ color **52.1681, 32.8695, 72.7021** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **38.4609, 63.1346, 26.9909**, and the grayscale version is **31.8562, 33.5152, 36.4981**.

A 20% lighter version of the original color is **72.0349, 53.9697, 101.2283**, and **25.5391, 13.8211, 37.3981** is the 20% darker color. If you saturate the color by 10%, you get **49.8147, 28.6260, 70.4876**, and if you desaturate by 10%, it is **55.1831, 38.4287, 75.1563**.

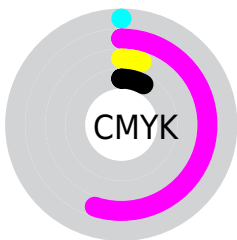
Distribution



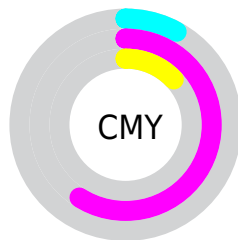
- Red (92%)
- Green (41%)
- Blue (87%)



- Red (92%)
- Yellow (41%)
- Blue (87%)



- Cyan (0%)
- Magenta (55%)
- Yellow (5%)
- Black (8%)





- Cyan (8%)
- Magenta (59%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.1681, 32.8695, 72.7021 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 52.1681, 32.8695, 72.7021 by changing the saturation by 10% instead.


 52.1681, 32.8695,
72.7021


 52.1681, 32.8695,
72.7021


385.3985,
315.0613, 489.0248


 37.3639, 22.0265,
53.2421

 92.5519, 64.1717,
124.7712


 25.6643, 13.8764,
37.6070


 118.8621, 85.3997,
158.2174

 16.7041, 8.0347,
25.3784

 149.7385,
110.8582, 197.1626

 10.1177, 4.1172,
16.1376

 185.5462,
140.9315, 242.0256

 5.5399, 1.7393,
9.4662

226.6507,
176.0041, 293.2247

 2.6054, 0.4489,
4.9455

273.4174,

 0.9487, 0.0000,

216.4603, 351.1786

2.1572

326.2115,
262.6846, 416.3058

■ 0.0000, 0.0000,
0.6495

■ 0.0000, 0.0000,
0.0000

■ 52.1681, 32.8695,
72.7021

■ 52.1681, 32.8695,
72.7021

■ 49.8147, 28.6260,
70.4876

■ 55.1831, 38.4287,
75.1563

■ 48.0643, 25.5830,
68.4922


■ 58.9052, 45.3968,
77.8647


■ 46.8537, 23.6138,
66.6953


■ 63.3799, 53.8641,
80.8426


■ 46.1040, 22.5604,
65.0704


■ 68.6478, 63.9118,
84.1037


 45.8450, 22.2578,
64.3205

 74.7469, 75.6155,
87.6607

 81.7122, 89.0458,
91.5255

 85.0132, 95.1411,
94.1877

 85.3337, 95.2693,
95.8755

 85.6581, 95.3991,
97.5838

Harmonies

Analogous

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



42.5096, 32.8695, 112.2427



52.1681, 32.8695, 72.7021



55.9946, 32.8695, 35.5536

Triad

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



52.1681, 32.8695, 72.7021



31.1591, 32.8695, 3.5575



16.8811, 32.8695, 73.3603

Complementary

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



52.1681, 32.8695, 72.7021



38.4609, 63.1346, 26.9909

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.



15.1296, 32.8695, 36.0260



52.1681, 32.8695, 72.7021



22.1645, 32.8695, 5.5188

Square

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



52.1681, 32.8695, 72.7021



42.3344, 32.8695, 5.4511



16.8265, 32.8695, 14.1251



22.2783, 32.8695, 112.7495

Rectangle

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



52.1681, 32.8695, 72.7021



54.1823, 32.8695, 19.3278



16.8265, 32.8695, 14.1251



15.9083, 32.8695, 59.6521

Sweetspot

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



52.1692, 32.8710, 72.7028



82.1035, 75.1351, 101.4147



27.0737, 19.7413, 80.2265



17.2883, 15.5372, 21.5326



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.



52.1692, 32.8710, 72.7028



60.2546, 34.2802, 85.3679



45.2210, 30.0917, 36.1140



15.6509, 15.2882, 18.7128



25.7873, 12.5176, 36.2768



2.0426, 0.9900, 2.9416

Inverse Universe

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



52.1692, 32.8710, 72.7028



60.2546, 34.2802, 85.3679



43.5137, 65.1557, 53.5984



15.6509, 15.2882, 18.7128



25.7873, 12.5176, 36.2768



2.0426, 0.9900, 2.9416

Previews

White Background



This preview shows how the XYZ color 52.1681, 32.8695, 72.7021 looks on a white background.

Color Contrast Check

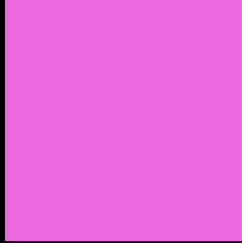
Large Text (above 18pt) WCAG AA × Fail

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 52.1681, 32.8695, 72.7021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

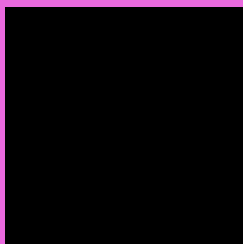
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.1681, 32.8695, 72.7021

Background



This preview shows how black text looks on a background with the XYZ color 52.1681, 32.8695, 72.7021.



This preview shows how white text looks on a background with the XYZ color 52.1681, 32.8695,

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

52.1681, 32.8695, 72.7021

Protanopia

36.2177, 33.2539, 99.1175

Deuteranopia

34.0097, 33.2846, 68.2504



Tritanopia

42.7738, 32.8036, 27.3699

Trichromacy



Original Color

52.1681, 32.8695, 72.7021



Protanomaly

38.9422, 31.0681, 88.7383



Deuteranomaly

38.3418, 31.3887, 69.6834



Tritanomaly

45.5668, 32.4777, 40.4264

Monochromacy



Original Color

52.1681, 32.8695, 72.7021



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

37.4366, 31.8274, 47.8863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.1681, 32.8695, 72.7021 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(234, 105, 222)` looks like.

```
.text, #text, p{  
    color:rgb(234, 105, 222)  
}
```

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(234, 105, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 105, 222) }
```

Border

The CSS property to change the border of an element to XYZ 52.1681, 32.8695, 72.7021 is called "border". The border property can be set on classes, ids or directly on the HTML element.

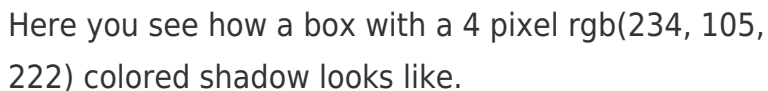
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(234, 105, 222) }
```


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

```
.border{ border-color:rgb(234, 105, 222) }
```

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



Here you see how a box with a 4 pixel `rgb(234, 105, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 105, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 105, 222);  
box-shadow:4px 4px 4px 4px rgb(234, 105,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 52.1681, 32.8695, 72.7021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 105, 222) }
```

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

```
.background{ background-color: rgb(234,  
105, 222) }
```

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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