

Converting Colors

XYZ(52.1172, 48.9819, 96.5546)

Have a look what the booklet for
XYZ(52.1172, 48.9819, 96.5546)
contains.

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Color

**XYZ(52.2425, 49.1854,
96.3628)**

Conversions

Conversions Part 1

Format	Color
Hex	B4B4F9
RGB	180, 180, 249
RGB Percent	71%, 71%, 98%
CMY	0.2941, 0.2941, 0.0235
CMYK	0.28, 0.28, 0.00, 0.02
HSL	240°, 85%, 84%
HSV	240°, 28%, 98%
XYZ	52.2425, 49.1854, 96.3628
YIQ	187.8660, -22.1490, 21.4590

Conversions

Conversions Part 2

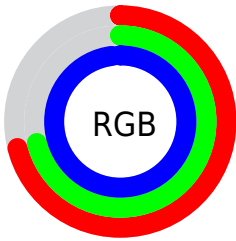
Format	Color
R _Y B	180, 180, 249
Decimal	11842809
CIE Lab	75.57, 14.89, -34.15
CIE LCh	76, 37.252, 293.560
Yxy	49.1854, 0.2641, 0.2487
Android (android.graphics.Color)	4290032889 (0xFFB4B4F9)
YUV	187.8660, 30.1391, -6.8985
Hunter-Lab	70.1323, 10.2355, -32.3727

Details

The XYZ color **52.2425, 49.1854, 96.3628** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.1815, 91.1868, 56.5037**, and the grayscale version is **47.5687, 50.0460, 54.5001**.

A 20% lighter version of the original color is **82.9705, 85.2154, 106.6829**, and **25.7080, 23.4201, 53.0348** is the 20% darker color. If you saturate the color by 10%, you get **42.3750, 37.2957, 94.5888**, and if you desaturate by 10%, it is **64.0574, 63.4215, 98.4888**.

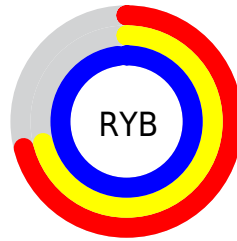
Distribution



Red (71%)

Green (71%)

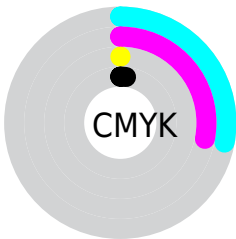
Blue (98%)



Red (71%)

Yellow (71%)

Blue (98%)

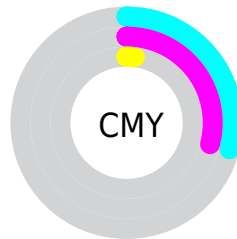


Cyan (28%)

Magenta (28%)

Yellow (0%)

Black (2%)



Cyan (29%)

Magenta (29%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2425, 49.1854, 96.3628 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 52.2425, 49.1854, 96.3628 by changing the saturation by 10% instead.

■ 52.2425, 49.1854,
96.3628

■ 52.2425, 49.1854,
96.3628

385.6807,
383.4717, 569.6141

■ 37.4235, 34.7666,
72.6666

■ 92.6609, 88.9668,
158.1578

■ 25.7107, 23.4831,
53.2132

118.9909,
115.0981, 197.0936

■ 16.7389, 14.9506,
37.5841

149.8887,
145.9023, 241.9465

■ 10.1426, 8.7848,
25.3608

185.7195,
181.7639, 293.1348

■ 5.5566, 4.6011,
16.1246

226.8488,
223.0673, 351.0772

■ 2.6155, 2.0151,
9.4570

273.6418,

■ 0.9539, 0.6162,

270.1968, 416.1922

4.9396

326.4640,
323.5368, 488.8983

■ 0.0000, 0.0000,
2.1538

■ 0.0000, 0.0000,
0.6475

■ 52.2425, 49.1854,
96.3628

■ 52.2425, 49.1854,
96.3628

■ 42.3750, 37.2957,
94.5888

■ 64.0574, 63.4215,
98.4888

■ 34.3459, 27.6212,
93.1446

■ 77.9112, 80.1143,
100.9806

■ 28.0430, 20.0265,
92.0109

■ 93.8953, 99.3741,
103.8557

■ 23.3398, 14.3594,
91.1649

■ 94.0990, 99.6196,
103.8924

■ 20.0926, 10.4467,
90.5808

■ 18.1320, 8.0843,
90.2282

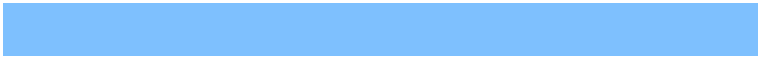
■ 17.2324, 7.0003,
90.0663

■ 17.0991, 6.8397,
90.0424

Harmonies

Analogous

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



45.2803, 49.1854, 100.7490



52.2425, 49.1854, 96.3628



58.2274, 49.1854, 79.3758

Triad

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



52.2425, 49.1854, 96.3628



55.0609, 49.1854, 28.4793



34.7906, 49.1854, 49.4142

Complementary

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



52.2425, 49.1854, 96.3628



81.1815, 91.1868, 56.5037

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.



36.8882, 49.1854, 34.0452



52.2425, 49.1854, 96.3628



48.2497, 49.1854, 24.0258

Square

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



52.2425, 49.1854, 96.3628



59.9631, 49.1854, 39.7854



41.6552, 49.1854, 25.7786



35.6350, 49.1854, 70.1821

Rectangle

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



52.2425, 49.1854, 96.3628



60.6293, 49.1854, 65.0158



41.6552, 49.1854, 25.7786



35.1678, 49.1854, 43.5262

Sweetspot

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



52.2442, 49.1873, 96.3639



81.7730, 84.0022, 106.5119



69.6193, 84.2237, 101.2733



17.0031, 17.3779, 22.7080



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.



52.2442, 49.1873, 96.3639



49.3467, 44.9307, 100.6794



60.9637, 53.6822, 96.7720



16.2831, 16.6431, 21.7395



9.1528, 3.6612, 48.1978



0.8477, 0.3391, 4.4640

Inverse Universe

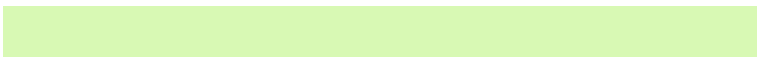
The Inverse Universe completely reimagines the original color for something new.



63.6278, 56.0791, 50.6529



63.1111, 53.2638, 45.4083



70.3307, 85.5934, 55.9959



17.2447, 17.2252, 17.8784



20.9119, 10.7805, 0.9787



1.9368, 0.9985, 0.0907

Previews

White Background



This preview shows how the XYZ color 52.2425, 49.1854, 96.3628 looks on a white background.

Color Contrast Check

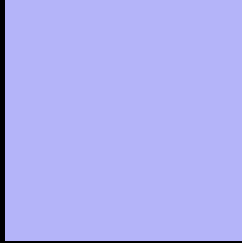
Large Text (above 18pt) WCAG AA × Fail

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 52.2425, 49.1854, 96.3628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

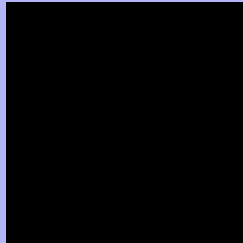
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.2425, 49.1854, 96.3628

Background



This preview shows how black text looks on a background with the XYZ color 52.2425, 49.1854, 96.3628.



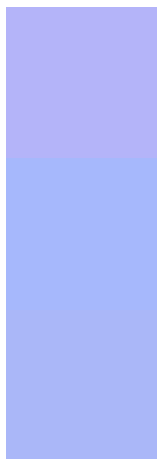
This preview shows how white text looks on a background with the XYZ color 52.2425, 49.1854,

96.3628.

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

52.2425, 49.1854, 96.3628

Protanopia

50.4371, 49.4162, 98.9754

Deuteranopia

50.4543, 49.1903, 95.6424



Tritanopia

45.8913, 49.4128, 64.2456

Trichromacy



Original Color

52.2425, 49.1854, 96.3628

Protanomaly

51.1407, 49.4899, 98.1239

Deuteranomaly

51.1268, 49.2319, 95.6150

Tritanomaly

47.9327, 49.2838, 74.6965

Monochromacy



Original Color

52.2425, 49.1854, 96.3628

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.9894, 49.6654, 67.9771

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2425, 49.1854, 96.3628 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(180, 180, 249)` looks like.

```
.text, #text, p{  
    color:rgb(180, 180, 249)  
}
```

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(180, 180, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 180, 249) }
```

Border

The CSS property to change the border of an element to XYZ 52.2425, 49.1854, 96.3628 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(180, 180, 249) }
```


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

```
.border{ border-color:rgb(180, 180, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 180, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 180, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 180, 249);  
box-shadow:4px 4px 4px 4px rgb(180, 180,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2425, 49.1854, 96.3628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 180, 249) }
```

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

```
.background{ background-color: rgb(180,  
180, 249) }
```

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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