

Converting Colors

XYZ(49.5536, 50.9452, 76.2239)

Have a look what the booklet for
XYZ(49.5536, 50.9452, 76.2239)
contains.

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Color

**XYZ(49.7425, 51.1341,
76.3554)**

Conversions

Conversions Part 1

Format	Color
Hex	B2BDDE
RGB	178, 189, 222
RGB Percent	70%, 74%, 87%
CMY	0.3020, 0.2588, 0.1294
CMYK	0.20, 0.15, 0.00, 0.13
HSL	225°, 40%, 78%
HSV	225°, 20%, 87%
XYZ	49.7425, 51.1341, 76.3554
YIQ	189.4730, -17.1490, 7.9310

Conversions

Conversions Part 2

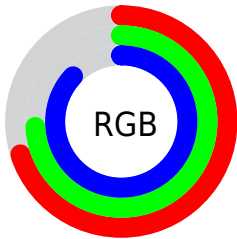
Format	Color
RYB	178, 187, 222
Decimal	11714014
CIELab	76.76, 3.10, -17.76
CIELCh	77, 18.025, 279.919
Yxy	51.1341, 0.2807, 0.2885
Android (android.graphics.Color)	4289904094 (0xFFB2BDDE)
YUV	189.4730, 16.0358, -10.0618
Hunter-Lab	71.5081, -0.9710, -13.2534

Details

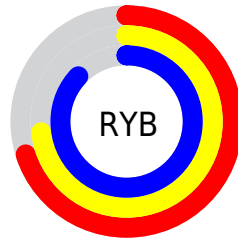
The XYZ color **49.7425, 51.1341, 76.3554** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **61.4548, 65.3325, 51.4921**, and the grayscale version is **48.5599, 51.0888, 55.6357**.

A 20% lighter version of the original color is **84.6341, 90.0172, 107.5221**, and **24.2367, 24.7583, 40.0606** is the 20% darker color. If you saturate the color by 10%, you get **41.6772, 41.9626, 75.0110**, and if you desaturate by 10%, it is **59.0464, 61.5570, 77.8777**.

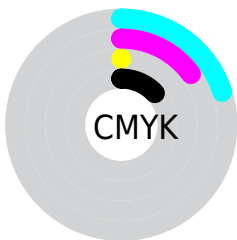
Distribution



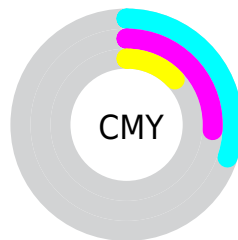
- Red (70%)
- Green (74%)
- Blue (87%)



- Red (70%)
- Yellow (73%)
- Blue (87%)



- Cyan (20%)
- Magenta (15%)
- Yellow (0%)
- Black (13%)



- Cyan (30%)
- Magenta (26%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7425, 51.1341, 76.3554 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 49.7425, 51.1341, 76.3554 by changing the saturation by 10% instead.

■ 49.7425, 51.1341,
76.3554

■ 49.7425, 51.1341,
76.3554

376.1268,
391.0846, 501.9426

■ 35.4258, 36.3153,
56.2156

■ 88.9873, 91.8530,
129.9938

■ 24.1591, 24.6778,
39.9706

114.6462,
118.5219, 164.3296

■ 15.5771, 15.8372,
27.2020

144.8165,
149.9096, 204.2343

■ 9.3143, 9.4090,
17.4912

179.8635,
186.4005, 250.1266

■ 5.0055, 5.0089,
10.4197

220.1527,
228.3791, 302.4251

■ 2.2853, 2.2525,
5.5689

266.0494,

■ 0.7871, 0.7484,

276.2297, 361.5482

2.5202

317.9190,
330.3367, 427.9145

■ 0.0000, 0.0000,
0.8509

■ 0.0000, 0.0000,
0.0000

■ 49.7425, 51.1341,
76.3554

■ 49.7425, 51.1341,
76.3554

■ 41.6772, 41.9626,
75.0110

■ 59.0464, 61.5570,
77.8777

■ 34.7924, 33.9881,
73.8347

■ 69.6342, 73.2705,
79.5806

■ 29.0321, 27.1614,
72.8206

■ 81.5549, 86.3195,
81.4710

■ 24.3339, 21.4273,
71.9614

■ 90.1850, 98.0540,
83.2811

■ 20.6290, 16.7258,
71.2492

■ 17.8400, 12.9904,
70.6752

■ 15.8765, 10.1460,
70.2297

■ 14.5951, 8.0867,
69.8997

■ 14.5755, 8.0551,
69.8947

Harmonies

Analogous

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



46.3792, 51.1341, 75.2950



49.7425, 51.1341, 76.3554



52.9427, 51.1341, 71.3986

Triad

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



49.7425, 51.1341, 76.3554



53.8192, 51.1341, 44.4487



42.6855, 51.1341, 49.4595

Complementary

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



49.7425, 51.1341, 76.3554



61.4548, 65.3325, 51.4921

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.



44.5042, 51.1341, 42.4502



49.7425, 51.1341, 76.3554



50.8935, 51.1341, 39.8010

Square

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



49.7425, 51.1341, 76.3554



55.3683, 51.1341, 52.4962



47.4779, 51.1341, 39.1149



42.4097, 51.1341, 58.9824

Rectangle

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



49.7425, 51.1341, 76.3554



54.5142, 51.1341, 65.6553



47.4779, 51.1341, 39.1149



43.1325, 51.1341, 46.7635

Sweetspot

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



49.7441, 51.1362, 76.3566



86.0916, 90.1091, 107.4630



56.1485, 66.3750, 71.0004



18.2269, 19.0651, 22.9692



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.



49.7441, 51.1362, 76.3566



63.0725, 64.3143, 103.6974



49.9111, 47.8412, 75.7118



13.2291, 13.7974, 17.3536



8.7320, 4.9337, 41.5404



0.6757, 0.4829, 2.9028

Inverse Universe

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



55.2312, 51.0458, 55.0883



72.0087, 64.3632, 69.0164



61.2327, 69.4153, 52.2919



13.8471, 13.7565, 14.9651



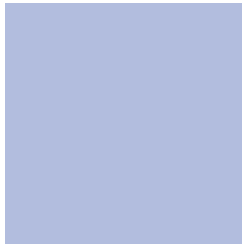
18.3477, 9.4061, 3.2310



1.3073, 0.6662, 0.4112

Previews

White Background



This preview shows how the XYZ color 49.7425, 51.1341, 76.3554 looks on a white background.

Color Contrast Check

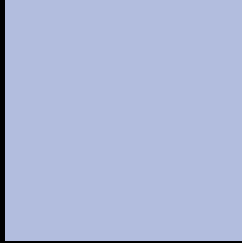
Large Text (above 18pt) WCAG AA × Fail

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 49.7425, 51.1341, 76.3554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

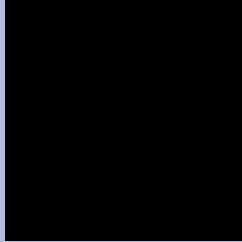
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.7425, 51.1341, 76.3554

Background



This preview shows how black text looks on a background with the XYZ color 49.7425, 51.1341, 76.3554.



This preview shows how white text looks on a background with the XYZ color 49.7425, 51.1341,

76.3554.

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

49.7425, 51.1341, 76.3554

Protanopia

50.5628, 51.2542, 75.6347

Deuteranopia

52.1541, 51.1020, 76.9269



Tritanopia

47.7913, 51.3182, 66.4180

Trichromacy



Original Color

49.7425, 51.1341, 76.3554

Protanomaly

50.0904, 51.0107, 75.6126

Deuteranomaly

51.1279, 50.8846, 76.9390

Tritanomaly

48.4190, 51.2452, 69.6267

Monochromacy



Original Color

49.7425, 51.1341, 76.3554

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.7478, 50.9265, 62.5189

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7425, 51.1341, 76.3554 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(178, 189, 222)` looks like.

```
.text, #text, p{  
    color:rgb(178, 189, 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(178, 189, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 189, 222) }
```

Border

The CSS property to change the border of an element to XYZ 49.7425, 51.1341, 76.3554 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(178, 189, 222) }
```


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

```
.border{ border-color:rgb(178, 189, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 189, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 189, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 189, 222);  
box-shadow:4px 4px 4px 4px rgb(178, 189,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7425, 51.1341, 76.3554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 189, 222) }
```

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

```
.background{ background-color: rgb(178,  
189, 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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