

Converting Colors

XYZ(50.6440, 50.2444, 80.4277)

Have a look what the booklet for
XYZ(50.6440, 50.2444, 80.4277)
contains.

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Color

**XYZ(50.6440, 50.2444,
80.4277)**

Conversions

Conversions Part 1

Format	Color
Hex	B6B9E4
RGB	182, 185, 228
RGB Percent	71%, 73%, 89%
CMY	0.2863, 0.2745, 0.1059
CMYK	0.20, 0.19, 0.00, 0.11
HSL	236°, 46%, 80%
HSV	236°, 20%, 89%
XYZ	50.6440, 50.2444, 80.4277
YIQ	189.0050, -15.5910, 12.7370

Conversions

Conversions Part 2

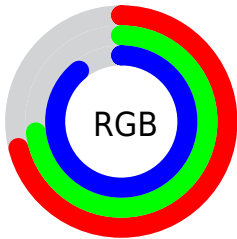
Format	Color
R_{YB}	182, 185, 228
Decimal	11975140
CIE _{Lab}	76.22, 7.86, -21.79
CIE _{LCh}	76, 23.166, 289.825
Yxy	50.2444, 0.2793, 0.2771
Android (android.graphics.Color)	4290165220 (0xFFB6B9E4)
YUV	189.0050, 19.2245, -6.1434
Hunter-Lab	70.8833, 3.4872, -17.6551

Details

The XYZ color **50.6440, 50.2444, 80.4277** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **67.3643, 73.7222, 54.9368**, and the grayscale version is **48.2739, 50.7879, 55.3080**.

A 20% lighter version of the original color is **84.7652, 88.3077, 107.1852**, and **24.5997, 24.0703, 42.3792** is the 20% darker color. If you saturate the color by 10%, you get **41.5623, 39.4337, 78.8205**, and if you desaturate by 10%, it is **61.2738, 62.8478, 82.3010**.

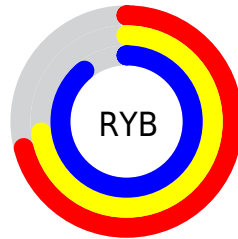
Distribution



Red (71%)

Green (73%)

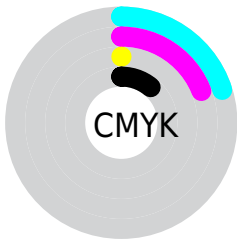
Blue (89%)



Red (71%)

Yellow (73%)

Blue (89%)

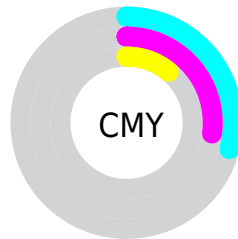


Cyan (20%)

Magenta (19%)

Yellow (0%)

Black (11%)



Cyan (29%)

Magenta (27%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.6440, 50.2444, 80.4277 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 50.6440, 50.2444, 80.4277 by changing the saturation by 10% instead.

■ 50.6440, 50.2444,
80.4277

■ 50.6440, 50.2444,
80.4277

379.5896,
387.6209, 516.1178

■ 36.1453, 35.6076,
59.5421

■ 90.3145, 90.5369,
135.7837

■ 24.7170, 24.1313,
42.6268

116.2169,
116.9614, 171.0912

■ 15.9940, 15.4311,
29.2632

146.6512,
148.0839, 212.0432

■ 9.6107, 9.1225,
19.0327

181.9829,
184.2889, 259.0580

■ 5.2019, 4.8212,
11.5169

222.5772,
225.9607, 312.5544

■ 2.4022, 2.1427,
6.2971

268.7995,

■ 0.8462, 0.6885,

273.4837, 372.9508

2.9549

321.0152,
327.2423, 440.6657

■ 0.0000, 0.0000,
1.0716

■ 0.0000, 0.0000,
0.0000

■ 50.6440, 50.2444,
80.4277

■ 50.6440, 50.2444,
80.4277

■ 41.5623, 39.4337,
78.8205

■ 61.2738, 62.8478,
82.3010

■ 33.9520, 30.3284,
77.4641

■ 73.5143, 77.3135,
84.4480

■ 27.7370, 22.8431,
76.3469

■ 87.4304, 93.7153,
86.8804

■ 22.8322, 16.8827,
75.4549

■ 91.0037, 98.3815,
87.5927

■ 19.1436, 12.3421,
74.7729

■ 16.5643, 9.1029,
74.2836

■ 14.9689, 7.0273,
73.9671

■ 14.1728, 5.9396,
73.7991

Harmonies

Analogous

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



46.2960, 50.2444, 81.7815



50.6440, 50.2444, 80.4277



54.4240, 50.2444, 71.6299

Triad

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



50.6440, 50.2444, 80.4277



53.3475, 50.2444, 38.3947



39.9998, 50.2444, 50.5912

Complementary

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



50.6440, 50.2444, 80.4277



67.3643, 73.7222, 54.9368

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.



41.6558, 50.2444, 40.6854



50.6440, 50.2444, 80.4277



49.2460, 50.2444, 34.3847

Square

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



50.6440, 50.2444, 80.4277



56.0492, 50.2444, 46.9915



44.9795, 50.2444, 35.1544



40.3237, 50.2444, 63.2252

Rectangle

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



50.6440, 50.2444, 80.4277



56.0298, 50.2444, 63.3762



44.9795, 50.2444, 35.1544



40.3393, 50.2444, 46.8679

Sweetspot

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



50.6456, 50.2464, 80.4288



85.2494, 88.4249, 107.1823



60.6175, 70.8655, 81.6709



18.0285, 18.6684, 22.9031



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.



50.6456, 50.2464, 80.4288



60.3936, 58.9564, 102.8044



55.0719, 51.6061, 80.4580



13.6580, 14.0373, 18.1340



8.2134, 3.4889, 42.6237



0.6337, 0.3112, 3.1586

Inverse Universe

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



57.4812, 53.4542, 53.1892



70.6564, 63.8223, 61.8958



62.2192, 72.2848, 54.9306



14.4149, 14.3832, 15.1195



18.5393, 9.5499, 1.2028



1.3835, 0.7111, 0.1599

Previews

White Background



This preview shows how the XYZ color 50.6440, 50.2444, 80.4277 looks on a white background.

Color Contrast Check

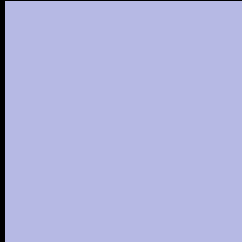
Large Text (above 18pt) WCAG AA × Fail

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 50.6440, 50.2444, 80.4277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

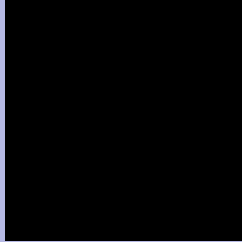
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.6440, 50.2444, 80.4277

Background



This preview shows how black text looks on a background with the XYZ color 50.6440, 50.2444, 80.4277.



This preview shows how white text looks on a background with the XYZ color 50.6440, 50.2444,

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

50.6440, 50.2444, 80.4277

Protanopia

50.0619, 50.2399, 81.1875

Deuteranopia

51.3938, 50.3215, 80.4031



Tritanopia

47.4568, 50.2198, 64.3189

Trichromacy



Original Color

50.6440, 50.2444, 80.4277

Protanomaly

50.2922, 50.3587, 81.1983

Deuteranomaly

51.1517, 50.1967, 80.3917

Tritanomaly

48.5839, 50.3542, 70.1095

Monochromacy



Original Color

50.6440, 50.2444, 80.4277

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

49.0124, 50.7173, 63.7061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6440, 50.2444, 80.4277 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(182, 185, 228)` looks like.

```
.text, #text, p{  
    color:rgb(182, 185, 228)  
}
```

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(182, 185, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 185, 228) }
```

Border

The CSS property to change the border of an element to XYZ 50.6440, 50.2444, 80.4277 is called "border". The border property can be set on classes, ids or directly on the HTML element.

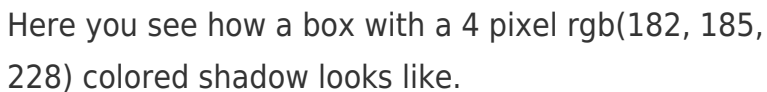
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(182, 185, 228) }
```


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

```
.border{ border-color:rgb(182, 185, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(182, 185, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 185, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 185, 228);  
box-shadow:4px 4px 4px 4px rgb(182, 185,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6440, 50.2444, 80.4277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 185, 228) }
```

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

```
.background{ background-color: rgb(182,  
185, 228) }
```

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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