

Converting Colors

XYZ(41.3520, 50.0195, 80.9508)

Have a look what the booklet for
XYZ(41.3520, 50.0195, 80.9508)
contains.

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Color

**XYZ(41.3664, 50.0257,
80.8745)**

Conversions

Conversions Part 1

Format	Color
Hex	72C7E4
RGB	114, 199, 228
RGB Percent	45%, 78%, 89%
CMY	0.5529, 0.2196, 0.1059
CMYK	0.50, 0.13, 0.00, 0.11
HSL	195°, 68%, 67%
HSV	195°, 50%, 89%
XYZ	41.3664, 50.0257, 80.8745
YIQ	176.8910, -59.9690, -9.0010

Conversions

Conversions Part 2

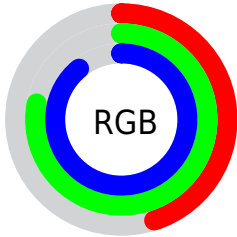
Format	Color
RYB	114, 163, 228
Decimal	7522276
CIELab	76.09, -18.01, -22.36
CIELCh	76, 28.707, 231.156
Yxy	50.0257, 0.2401, 0.2904
Android (android.graphics.Color)	4285712356 (0xFF72C7E4)
YUV	176.8910, 25.1967, -55.1554
Hunter-Lab	70.7288, -19.3782, -18.2846

Details

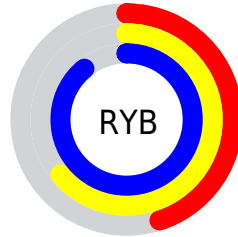
The XYZ color **41.3664, 50.0257, 80.8745** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **44.8557, 37.3549, 20.7671**, and the grayscale version is **41.6287, 43.7966, 47.6945**.

A 20% lighter version of the original color is **70.8233, 87.5107, 107.7662**, and **19.1364, 24.0248, 43.1638** is the 20% darker color. If you saturate the color by 10%, you get **37.4533, 46.0660, 80.3174**, and if you desaturate by 10%, it is **46.0726, 54.4719, 81.4856**.

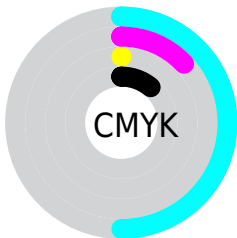
Distribution



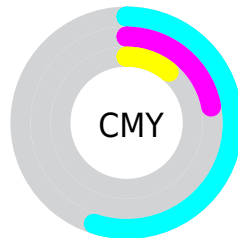
- Red (45%)
- Green (78%)
- Blue (89%)



- Red (45%)
- Yellow (64%)
- Blue (89%)



- Cyan (50%)
- Magenta (13%)
- Yellow (0%)
- Black (11%)



- Cyan (55%)
- Magenta (22%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3664, 50.0257, 80.8745 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 41.3664, 50.0257, 80.8745 by changing the saturation by 10% instead.

■ 41.3664, 50.0257,
80.8745

■ 41.3664, 50.0257,
80.8745

342.8861,
386.7664, 517.6594

■ 28.7944, 35.4338,
59.9078

■ 76.5110, 90.2130,
136.4170

■ 19.0689, 23.9972,
42.9196

■ 99.8143, 116.5771,
171.8300

■ 11.8243, 15.3316,
29.4911

■ 127.4255,
147.6342, 212.8954

■ 6.6955, 9.0524,
19.2038

159.7098,
183.7685, 260.0320

■ 3.3171, 4.7754,
11.6394

197.0327,
225.3645, 313.6581

■ 1.3236, 2.1161,
6.3791

239.7595,

■ 0.2008, 0.6737,

272.8065, 374.1923

3.0044

288.2555,
326.4791, 442.0532

■ 0.0000, 0.0000,
1.0969

■ 0.0000, 0.0000,
0.0000

■ 41.3664, 50.0257,
80.8745

■ 41.3664, 50.0257,
80.8745

■ 37.4533, 46.0660,
80.3174

■ 46.0726, 54.4719,
81.4856

■ 34.2721, 42.5572,
79.8078


■ 51.6178, 59.4259,
82.1495


■ 31.7597, 39.4671,
79.3437


■ 58.0502, 64.9143,
82.8699


■ 29.8396, 36.7552,
78.9215


■ 65.4124, 70.9600,
83.6488


 28.3793, 34.3526,
78.5347


 73.7444, 77.5844,
84.4883

 28.3791, 34.3522,
78.5346

 83.0839, 84.8077,
85.3902

 86.2868, 88.9476,
86.0205

 88.0179, 92.4097,
86.5975

 89.8039, 95.9819,
87.1929

Harmonies

Analogous

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



38.5610, 50.0257, 65.8439



41.3664, 50.0257, 80.8745



45.9794, 50.0257, 89.1909

Triad

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



41.3664, 50.0257, 80.8745



58.4878, 50.0257, 59.1395



43.9209, 50.0257, 31.3000

Complementary

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



41.3664, 50.0257, 80.8745



44.8557, 37.3549, 20.7671

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.



49.1517, 50.0257, 30.1800



41.3664, 50.0257, 80.8745



57.8328, 50.0257, 44.4867

Square

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



41.3664, 50.0257, 80.8745



56.0442, 50.0257, 75.1818



54.3165, 50.0257, 34.5459



39.9569, 50.0257, 37.9602

Rectangle

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



41.3664, 50.0257, 80.8745



49.5721, 50.0257, 88.9036



54.3165, 50.0257, 34.5459



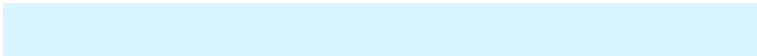
45.5796, 50.0257, 30.3199

Sweetspot

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



41.3680, 50.0276, 80.8757



79.3252, 87.4018, 107.2971



39.6042, 61.0334, 35.4832



16.5545, 18.3577, 22.9208



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.



41.3680, 50.0276, 80.8757



48.1060, 59.1978, 103.4986



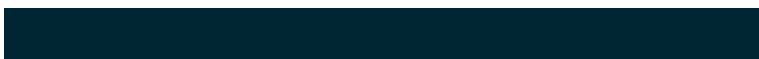
30.6920, 28.6755, 77.3170



14.4808, 15.6830, 18.4082



16.4866, 20.0352, 45.3814



1.2915, 1.6270, 3.3779

Inverse Universe

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



48.3223, 32.6536, 57.7907



58.3964, 35.7248, 68.8380



55.5720, 58.7875, 24.3392



14.8303, 14.5493, 17.3066



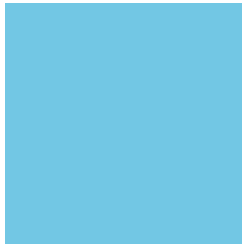
22.7152, 11.2203, 23.1928



1.7155, 0.8439, 1.9085

Previews

White Background



This preview shows how the XYZ color 41.3664, 50.0257, 80.8745 looks on a white background.

Color Contrast Check

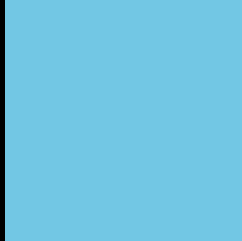
Large Text (above 18pt) WCAG AA × Fail

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 41.3664, 50.0257, 80.8745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

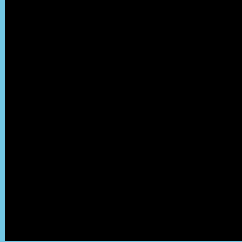
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.3664, 50.0257, 80.8745

Background



This preview shows how black text looks on a background with the XYZ color 41.3664, 50.0257, 80.8745.



This preview shows how white text looks on a background with the XYZ color 41.3664, 50.0257,

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

41.3664, 50.0257, 80.8745

Protanopia

48.9575, 49.5157, 73.9950

Deuteranopia

50.7904, 49.6383, 83.2481



Tritanopia

39.8414, 50.0980, 73.2157

Trichromacy



Original Color

41.3664, 50.0257, 80.8745

Protanomaly

45.3086, 49.1688, 76.2097

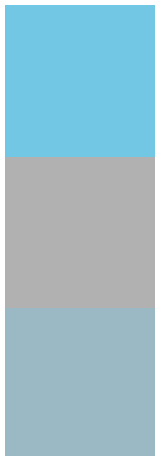
Deuteranomaly

46.5260, 49.3328, 82.6713

Tritanomaly

40.2610, 49.9085, 75.9179

Monochromacy



Original Color

41.3664, 50.0257, 80.8745

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

40.6392, 45.5535, 58.8753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3664, 50.0257, 80.8745 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(114, 199, 228)` looks like.

```
.text, #text, p{  
    color:rgb(114, 199, 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(114, 199, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 199, 228) }
```

Border

The CSS property to change the border of an element to XYZ 41.3664, 50.0257, 80.8745 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(114, 199, 228) }
```


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

```
.border{ border-color:rgb(114, 199, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 199, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 199, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 199, 228);  
box-shadow:4px 4px 4px 4px rgb(114, 199,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3664, 50.0257, 80.8745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 199, 228) }
```

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

```
.background{ background-color: rgb(114,  
199, 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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