

Converting Colors

XYZ(42.6991, 45.5031, 64.4363)

Have a look what the booklet for
XYZ(42.6991, 45.5031, 64.4363)
contains.

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Color

**XYZ(42.6477, 45.5451,
64.3009)**

Conversions

Conversions Part 1

Format	Color
Hex	A2B6CD
RGB	162, 182, 205
RGB Percent	64%, 71%, 80%
CMY	0.3647, 0.2863, 0.1961
CMYK	0.21, 0.11, 0.00, 0.20
HSL	212°, 30%, 72%
HSV	212°, 21%, 80%
XYZ	42.6477, 45.5451, 64.3009
YIQ	178.6420, -19.3030, 2.9130

Conversions

Conversions Part 2

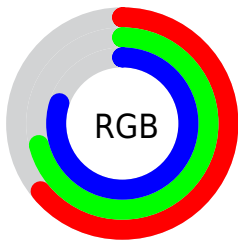
Format	Color
RYB	162, 176, 205
Decimal	10663629
CIELab	73.25, -1.91, -13.92
CIELCh	73, 14.048, 262.186
Yxy	45.5451, 0.2797, 0.2987
Android (android.graphics.Color)	4288853709 (0xFFA2B6CD)
YUV	178.6420, 12.9945, -14.5950
Hunter-Lab	67.4871, -5.3014, -9.2498

Details

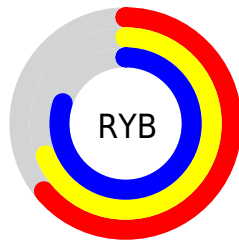
The XYZ color **42.6477, 45.5451, 64.3009** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.0478, 50.2857, 41.3045**, and the grayscale version is **42.5989, 44.8173, 48.8061**.

A 20% lighter version of the original color is **77.2398, 83.1208, 106.5807**, and **19.8666, 21.2499, 32.3327** is the 20% darker color. If you saturate the color by 10%, you get **36.6601, 39.2555, 63.4032**, and if you desaturate by 10%, it is **49.4928, 52.5400, 65.2910**.

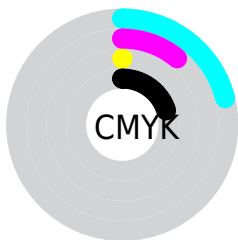
Distribution



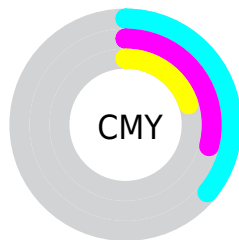
- Red (64%)
- Green (71%)
- Blue (80%)



- Red (64%)
- Yellow (69%)
- Blue (80%)



- Cyan (21%)
- Magenta (11%)
- Yellow (0%)
- Black (20%)



- Cyan (36%)
- Magenta (29%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6477, 45.5451, 64.3009 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 42.6477, 45.5451, 64.3009 by changing the saturation by 10% instead.

■ 42.6477, 45.5451,
64.3009

■ 42.6477, 45.5451,
64.3009

348.1070,
368.9768, 458.5127

■ 29.8021, 31.8870,
46.4467

■ 78.4380, 83.5378,
112.6478

■ 19.8358, 21.2752,
32.2472

■ 102.1134,
108.6412, 143.9776

■ 12.3833, 13.3253,
21.2840

130.1295,
138.3284, 180.6363

■ 7.0793, 7.6529,
13.1385

162.8515,
172.9840, 223.0424

■ 3.5585, 3.8737,
7.3922

200.6450,
212.9922, 271.6146

■ 1.4555, 1.6032,
3.6264

243.8751,

■ 0.2953, 0.3597,

258.7374, 326.7714

1.4227

292.9074,
310.6042, 388.9312

■ 0.0000, 0.0000,
0.1593

■ 0.0000, 0.0000,
0.0000

■ 42.6477, 45.5451,
64.3009

■ 42.6477, 45.5451,
64.3009

■ 36.6601, 39.2555,
63.4032

■ 49.4928, 52.5400,
65.2910

■ 31.4890, 33.6408,
62.5920

■ 57.2256, 60.2582,
66.3732

■ 27.0959, 28.6761,
61.8653

■ 65.8801, 68.7239,
67.5511

■ 23.4376, 24.3327,
61.2197

■ 75.4872, 77.9583,
68.8272

■ 20.4662, 20.5792,
60.6518

■ 82.4930, 86.1347,
70.0361

■ 18.1270, 17.3806,
60.1577

■ 85.7621, 92.6728,
71.1258

■ 16.3561, 14.6965,
59.7330

■ 88.0196, 97.1878,
71.8783

■ 15.1443, 12.6572,
59.4032

Harmonies

Analogous

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



40.4462, 45.5451, 61.1136



42.6477, 45.5451, 64.3009



45.1050, 45.5451, 63.2607

Triad

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



42.6477, 45.5451, 64.3009



47.8308, 45.5451, 44.6367



39.6496, 45.5451, 41.7210

Complementary

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



42.6477, 45.5451, 64.3009



49.0478, 50.2857, 41.3045

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.



41.5229, 45.5451, 38.0474



42.6477, 45.5451, 64.3009



46.2625, 45.5451, 39.6160

Square

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



42.6477, 45.5451, 64.3009



48.1598, 45.5451, 51.4604



43.9372, 45.5451, 37.3150



38.7587, 45.5451, 47.7672

Rectangle

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



42.6477, 45.5451, 64.3009



46.5528, 45.5451, 60.3510



43.9372, 45.5451, 37.3150



40.1819, 45.5451, 40.1923

Sweetspot

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



42.6491, 45.5470, 64.3019



87.0883, 92.1025, 107.7953



45.4824, 54.8448, 54.0519



18.4621, 19.5355, 23.0476



0.0000, 0.0000, 0.0000



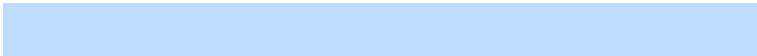
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.6491, 45.5470, 64.3019



65.4300, 69.9913, 104.6689



39.1339, 38.0819, 63.0463



11.0247, 11.6898, 14.2457



9.5210, 8.0660, 37.0113



0.5669, 0.5675, 1.9346

Inverse Universe

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



46.5418, 42.1983, 49.9502



72.9638, 63.8461, 76.8178



53.1369, 59.0483, 42.7803



11.4258, 11.2991, 12.7770



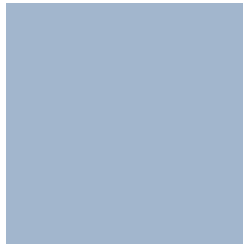
17.0167, 8.6173, 7.8064



0.9161, 0.4598, 0.6039

Previews

White Background



This preview shows how the XYZ color 42.6477, 45.5451, 64.3009 looks on a white background.

Color Contrast Check

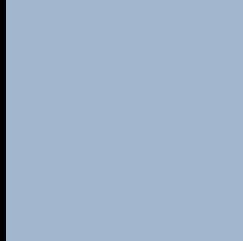
Large Text (above 18pt) WCAG AA × Fail

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 42.6477, 45.5451, 64.3009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

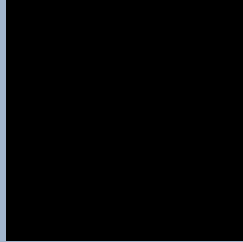
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

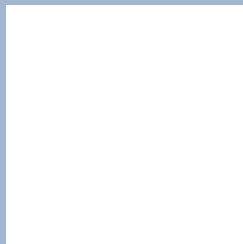
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.6477, 45.5451, 64.3009

Background



This preview shows how black text looks on a background with the XYZ color 42.6477, 45.5451, 64.3009.



This preview shows how white text looks on a background with the XYZ color 42.6477, 45.5451,

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

42.6477, 45.5451, 64.3009

Protanopia

44.6044, 45.3827, 62.9087

Deuteranopia

46.2377, 45.3065, 64.7006



Tritanopia

41.8245, 45.5213, 60.0082

Trichromacy



Original Color

42.6477, 45.5451, 64.3009

Protanomaly

43.8138, 45.2578, 63.5531

Deuteranomaly

44.9655, 45.5271, 64.8102

Tritanomaly

42.1740, 45.6611, 61.8490

Monochromacy



Original Color

42.6477, 45.5451, 64.3009

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.6319, 45.1576, 54.0463

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6477, 45.5451, 64.3009 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(162, 182, 205)` looks like.

```
.text, #text, p{  
    color:rgb(162, 182, 205)  
}
```

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(162, 182, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 182, 205) }
```

Border

The CSS property to change the border of an element to XYZ 42.6477, 45.5451, 64.3009 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(162, 182, 205) }
```


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

```
.border{ border-color:rgb(162, 182, 205) }
```

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

Here you see how a box with a 4 pixel rgb(162, 182, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 182, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 182, 205);  
box-shadow:4px 4px 4px 4px rgb(162, 182,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6477, 45.5451, 64.3009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 182, 205) }
```

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

```
.background{ background-color: rgb(162,  
182, 205) }
```

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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