

Converting Colors

XYZ(64.4207, 77.3245, 92.3902)

Have a look what the booklet for
XYZ(64.4207, 77.3245, 92.3902)
contains.

XYZ(64.4306, 77.2532, 92.4044)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(64.4306, 77.2532,
92.4044)**

Conversions

Conversions Part 1

Format	Color
Hex	B1EFEE
RGB	177, 239, 238
RGB Percent	69%, 94%, 93%
CMY	0.3059, 0.0627, 0.0667
CMYK	0.26, 0.00, 0.00, 0.06
HSL	179°, 66%, 82%
HSV	179°, 26%, 94%
XYZ	64.4306, 77.2532, 92.4044
YIQ	220.3480, -36.6310, -13.4550

Conversions

Conversions Part 2

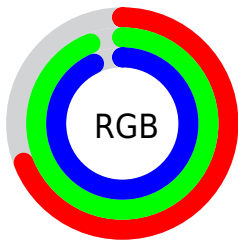
Format	Color
RYB	177, 208, 239
Decimal	11661294
CIELab	90.44, -19.56, -5.84
CIELCh	90, 20.412, 196.625
Yxy	77.2532, 0.2752, 0.3300
Android (android.graphics.Color)	4289851374 (0xFFB1EFEE)
YUV	220.3480, 8.7024, -38.0162
Hunter-Lab	87.8938, -22.9646, -0.8070

Details

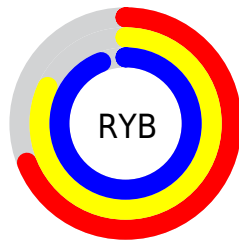
The XYZ color **64.4306, 77.2532, 92.4044** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.3574, 53.0116, 49.2264**, and the grayscale version is **68.2318, 71.7852, 78.1741**.

A 20% lighter version of the original color is **87.7417, 96.2324, 108.5580**, and **33.4030, 41.3819, 50.4830** is the 20% darker color. If you saturate the color by 10%, you get **59.4002, 74.6684, 91.8744**, and if you desaturate by 10%, it is **70.4190, 80.3357, 92.9832**.

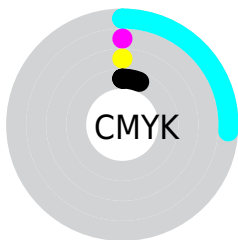
Distribution



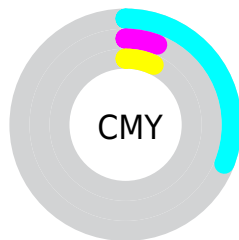
- Red (69%)
- Green (94%)
- Blue (93%)



- Red (69%)
- Yellow (82%)
- Blue (94%)



- Cyan (26%)
- Magenta (0%)
- Yellow (0%)
- Black (6%)



- Cyan (31%)
- Magenta (6%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.4306, 77.2532, 92.4044 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 64.4306, 77.2532, 92.4044 by changing the saturation by 10% instead.

64.4306, 77.2532,
92.4044

64.4306, 77.2532,
92.4044

430.3206,
485.6269, 556.5923

47.2625, 57.4607,
69.3917

110.3011,
129.4968, 152.6383

33.4520, 41.3752,
50.5570

139.7342,
162.7168, 190.6966

22.6339, 28.6124,
35.4819

173.9864,
201.1813, 234.6071

14.4426, 18.7878,
23.7478

213.4230,
245.2749, 284.7884

8.5129, 11.5171,
14.9362

258.4094,
295.3818, 341.6590

4.4794, 6.4157,
8.6285

309.3108,

1.9768, 3.0995,

351.8865, 405.6375

4.4062

366.4928,
415.1734, 477.1424

■ 0.6209, 1.1839,
1.8507

■ 0.0000, 0.0485,
0.4611

■ 64.4306, 77.2532,
92.4044

■ 64.4306, 77.2532,
92.4044

■ 59.4002, 74.6684,
91.8744

■ 70.4190, 80.3357,
92.9832

■ 55.2713, 72.5465,
91.3855

■ 77.4048, 83.9305,
93.6076

■ 51.9920, 70.8625,
90.9371

■ 85.4334, 88.0627,
94.2815

■ 49.5022, 69.5854,
90.5262

■ 87.7690, 89.2602,
94.6896

47.7342, 68.6805,
90.1498

87.8264, 89.2831,
94.9918

46.6086, 68.1067,
89.8040

87.8839, 89.3061,
95.2945

46.0274, 67.8135,
89.4844

87.9415, 89.3292,
95.5979

45.8832, 67.7419,
89.3592

87.9992, 89.3523,
95.9020

88.0571, 89.3754,
96.2067

Harmonies

Analogous

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



64.2988, 77.2532, 77.7884



64.4306, 77.2532, 92.4044



66.8997, 77.2532, 106.2116

Triad

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



64.4306, 77.2532, 92.4044



80.7835, 77.2532, 104.9020



75.7174, 77.2532, 59.6570

Complementary

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



64.4306, 77.2532, 92.4044



59.3574, 53.0116, 49.2264

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.



80.3654, 77.2532, 65.3186



64.4306, 77.2532, 92.4044



83.3803, 77.2532, 90.7769

Square

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



64.4306, 77.2532, 92.4044



76.2667, 77.2532, 113.9787



83.2238, 77.2532, 76.3379



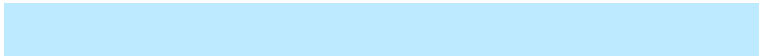
70.6584, 77.2532, 59.9853

Rectangle

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



64.4306, 77.2532, 92.4044



69.6067, 77.2532, 112.6003



83.2238, 77.2532, 76.3379



77.3842, 77.2532, 60.8921

Sweetspot

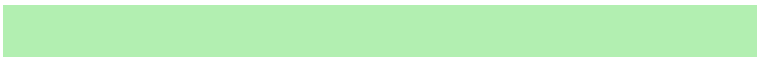
The Sweet Spot groups the original color and five complimentary colors.



64.4329, 77.2563, 92.4062



87.8859, 96.3129, 108.2876



57.1724, 74.3794, 52.9399



18.5415, 20.4761, 23.1542



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.



64.4329, 77.2563, 92.4062



71.4980, 87.8822, 106.7266



56.5224, 61.1989, 90.4985



16.2357, 17.9243, 20.2641



25.3601, 37.4360, 49.4065



2.1132, 3.1157, 4.1287

Inverse Universe

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



59.3574, 53.0116, 49.2264



64.7142, 55.4745, 49.0115



65.8399, 66.1373, 50.8922



15.7832, 15.7630, 16.4145



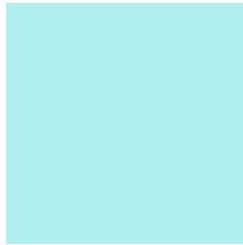
19.6877, 10.1475, 1.0063



1.6415, 0.8456, 0.1028

Previews

White Background



This preview shows how the XYZ color 64.4306, 77.2532, 92.4044 looks on a white background.

Color Contrast Check

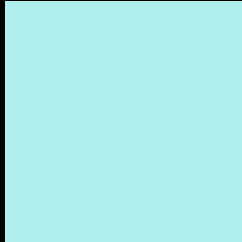
Large Text (above 18pt) WCAG AA × Fail

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 64.4306, 77.2532, 92.4044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

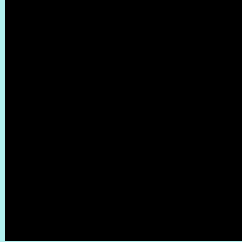
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.4306, 77.2532, 92.4044

Background



This preview shows how black text looks on a background with the XYZ color 64.4306, 77.2532, 92.4044.

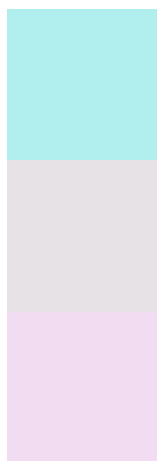


This preview shows how white text looks on a background with the XYZ color 64.4306, 77.2532,

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

64.4306, 77.2532, 92.4044

Protanopia

74.1124, 76.9289, 85.8055

Deuteranopia

78.2382, 76.4744, 94.6419



Tritanopia

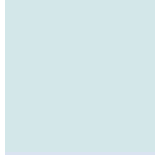
67.1015, 77.0347, 105.9403

Trichromacy



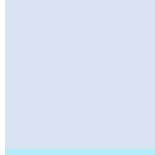
Original Color

64.4306, 77.2532, 92.4044



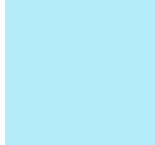
Protanomaly

70.1479, 76.8839, 88.2337



Deuteranomaly

72.2597, 76.1945, 94.1176



Tritanomaly

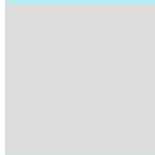
66.2055, 77.1112, 101.0171

Monochromacy



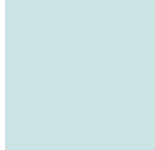
Original Color

64.4306, 77.2532, 92.4044



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

66.2361, 73.3216, 83.3345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4306, 77.2532, 92.4044 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(177, 239, 238)` looks like.

```
.text, #text, p{  
    color:rgb(177, 239, 238)  
}
```

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(177, 239, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 239, 238) }
```

Border

The CSS property to change the border of an element to XYZ 64.4306, 77.2532, 92.4044 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(177, 239, 238) }
```


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

```
.border{ border-color:rgb(177, 239, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 239, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 239, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 239, 238);  
box-shadow:4px 4px 4px 4px rgb(177, 239,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4306, 77.2532, 92.4044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 239, 238) }
```

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

```
.background{ background-color: rgb(177,  
239, 238) }
```

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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