

Converting Colors

XYZ(63.3564, 72.9670, 89.8580)

Have a look what the booklet for
XYZ(63.3564, 72.9670, 89.8580)
contains.

XYZ(63.4447, 72.9640, 90.0965)	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(63.4447, 72.9640,
90.0965)**

Conversions

Conversions Part 1

Format	Color
Hex	B9E6EC
RGB	185, 230, 236
RGB Percent	73%, 90%, 93%
CMY	0.2745, 0.0980, 0.0745
CMYK	0.22, 0.03, 0.00, 0.07
HSL	187°, 57%, 83%
HSV	187°, 22%, 93%
XYZ	63.4447, 72.9640, 90.0965
YIQ	217.2290, -28.7460, -7.6740

Conversions

Conversions Part 2

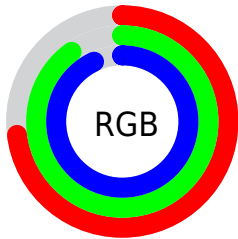
Format	Color
R_{YB}	185, 209, 236
Decimal	12183276
CIE _{Lab}	88.43, -13.16, -7.71
CIE _{LCh}	88, 15.251, 210.374
Yxy	72.9640, 0.2801, 0.3221
Android (android.graphics.Color)	4290373356 (0xFFB9E6EC)
YUV	217.2290, 9.2541, -28.2648
Hunter-Lab	85.4190, -16.9028, -2.7434

Details

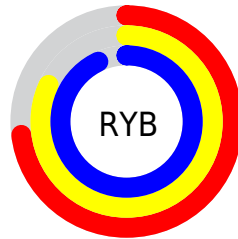
The XYZ color **63.4447, 72.9640, 90.0965** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.9806, 58.5975, 53.9441**, and the grayscale version is **66.0647, 69.5052, 75.6911**.

A 20% lighter version of the original color is **90.4279, 97.6172, 108.6837**, and **32.7343, 38.3927, 48.8653** is the 20% darker color. If you saturate the color by 10%, you get **57.4516, 68.7389, 89.5980**, and if you desaturate by 10%, it is **70.3994, 77.7068, 90.6466**.

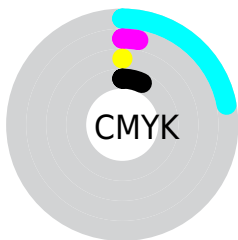
Distribution



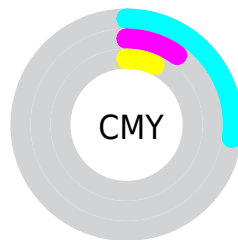
- Red (73%)
- Green (90%)
- Blue (93%)



- Red (73%)
- Yellow (82%)
- Blue (93%)



- Cyan (22%)
- Magenta (3%)
- Yellow (0%)
- Black (7%)



- Cyan (27%)
- Magenta (10%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.4447, 72.9640, 90.0965 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 63.4447, 72.9640, 90.0965 by changing the saturation by 10% instead.

63.4447, 72.9640,
90.0965

63.4447, 72.9640,
90.0965

426.8157,
470.8900, 548.9229

46.4611, 53.9465,
67.4865

108.8890,
123.4261, 149.4091

32.8160, 38.5589,
49.0160

138.0804,
155.6395, 186.9488

22.1441, 26.4168,
34.2665

172.0718,
193.0204, 230.3022

14.0800, 17.1357,
22.8194

211.2285,
235.9531, 279.8878

8.2584, 10.3313,
14.2562

255.9159,
284.8220, 336.1241

4.3139, 5.6192,
8.1583

306.4993,

1.8812, 2.6149,

340.0115, 399.4297

4.1072

363.3441,
401.9061, 470.2231

■ 0.5659, 0.9342,
1.6843

■ 0.0000, 0.0000,
0.3500

■ 63.4447, 72.9640,
90.0965

■ 63.4447, 72.9640,
90.0965

■ 57.4516, 68.7389,
89.5980

■ 70.3994, 77.7068,
90.6466

■ 52.3670, 64.9984,
89.1440

■ 78.3527, 82.9809,
91.2454

■ 48.1424, 61.7193,
88.7338

■ 87.0513, 88.6577,
91.8827

■ 44.7222, 58.8730,
88.3646

■ 87.8671, 90.2892,
92.1546

■ 42.0442, 56.4272,
88.0337

■ 88.6953, 91.9457,
92.4307

■ 40.0369, 54.3449,
87.7376

■ 89.5361, 93.6274,
92.7110

■ 38.6146, 52.5820,
87.4723

■ 90.3896, 95.3343,
92.9954

■ 37.7573, 51.2898,
87.2680

■ 91.2558, 97.0666,
93.2842

■ 92.1346, 98.8244,
93.5771

Harmonies

Analogous

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



62.5374, 72.9640, 79.5772



63.4447, 72.9640, 90.0965



65.9236, 72.9640, 98.3177

Triad

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



63.4447, 72.9640, 90.0965



75.6598, 72.9640, 89.8486



69.3041, 72.9640, 60.9198

Complementary

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



63.4447, 72.9640, 90.0965



61.9806, 58.5975, 53.9441

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.



72.8933, 72.9640, 63.1573



63.4447, 72.9640, 90.0965



76.6404, 72.9640, 79.3137

Square

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



63.4447, 72.9640, 90.0965



72.9757, 72.9640, 98.1659



75.6110, 72.9640, 69.6687



65.8466, 72.9640, 63.2704

Rectangle

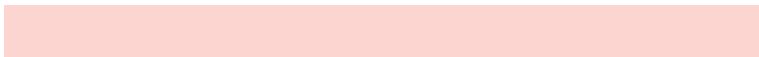
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.4447, 72.9640, 90.0965



68.1781, 72.9640, 101.0572



75.6110, 72.9640, 69.6687



70.5355, 72.9640, 61.1579

Sweetspot

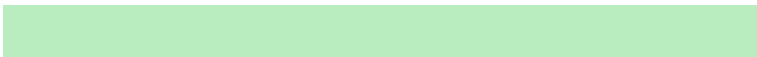
The Sweet Spot groups the original color and five complimentary colors.



63.4468, 72.9670, 90.0982



89.0721, 96.0702, 108.4565



59.4029, 74.0660, 60.4281



18.9316, 20.4745, 23.2041



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.



63.4468, 72.9670, 90.0982



72.2850, 84.6466, 107.1363



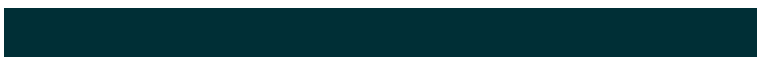
56.8731, 59.8196, 87.9069



15.3577, 16.8018, 19.3559



20.8748, 28.3967, 48.1239



1.6820, 2.3154, 3.7931

Inverse Universe

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



66.2257, 58.2456, 82.6183



76.1931, 64.2542, 96.5470



68.0217, 70.6797, 55.9578



15.6341, 15.2815, 18.6244



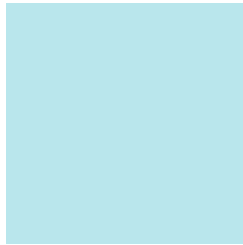
25.3919, 12.3595, 34.1950



2.0155, 0.9792, 2.7989

Previews

White Background



This preview shows how the XYZ color 63.4447, 72.9640, 90.0965 looks on a white background.

Color Contrast Check

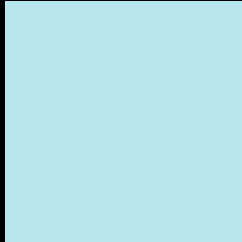
Large Text (above 18pt) WCAG AA × Fail

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 63.4447, 72.9640, 90.0965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

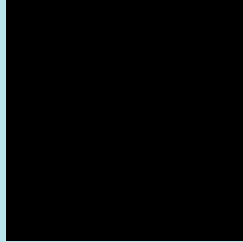
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.4447, 72.9640, 90.0965

Background



This preview shows how black text looks on a background with the XYZ color 63.4447, 72.9640, 90.0965.



This preview shows how white text looks on a background with the XYZ color 63.4447, 72.9640,

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

63.4447, 72.9640, 90.0965

Protanopia

70.3076, 72.5875, 85.1681

Deuteranopia

74.1414, 72.4950, 91.7466



Tritanopia

65.0254, 72.7670, 98.6139

Trichromacy



Original Color

63.4447, 72.9640, 90.0965

Protanomaly

67.5156, 72.6928, 86.8166

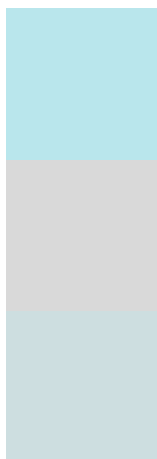
Deuteranomaly

69.6411, 72.1112, 91.1373

Tritanomaly

64.4467, 72.9488, 95.4778

Monochromacy



Original Color

63.4447, 72.9640, 90.0965

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

64.7527, 70.6035, 80.7360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4447, 72.9640, 90.0965 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(185, 230, 236)` looks like.

```
.text, #text, p{  
    color:rgb(185, 230, 236)  
}
```

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(185, 230, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 230, 236) }
```

Border

The CSS property to change the border of an element to XYZ 63.4447, 72.9640, 90.0965 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(185, 230, 236) }
```


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

```
.border{ border-color:rgb(185, 230, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 230, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 230, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 230, 236);  
box-shadow:4px 4px 4px 4px rgb(185, 230,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4447, 72.9640, 90.0965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 230, 236) }
```

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

```
.background{ background-color: rgb(185,  
230, 236) }
```

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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