

Converting Colors

XYZ(62.7259, 72.8507, 90.3649)

Have a look what the booklet for
XYZ(62.7259, 72.8507, 90.3649)
contains.

XYZ(62.7723, 73.0317, 90.1450)	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(62.7723, 73.0317,
90.1450)**

Conversions

Conversions Part 1

Format	Color
Hex	B5E7EC
RGB	181, 231, 236
RGB Percent	71%, 91%, 93%
CMY	0.2902, 0.0941, 0.0745
CMYK	0.23, 0.02, 0.00, 0.07
HSL	185°, 59%, 82%
HSV	185°, 23%, 93%
XYZ	62.7723, 73.0317, 90.1450
YIQ	216.6200, -31.4050, -9.0450

Conversions

Conversions Part 2

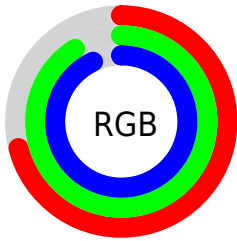
Format	Color
RYB	181, 207, 236
Decimal	11921388
CIELab	88.46, -14.85, -7.69
CIELCh	88, 16.719, 207.382
Yxy	73.0317, 0.2778, 0.3232
Android (android.graphics.Color)	4290111468 (0xFFB5E7EC)
YUV	216.6200, 9.5543, -31.2387
Hunter-Lab	85.4586, -18.4381, -2.7204

Details

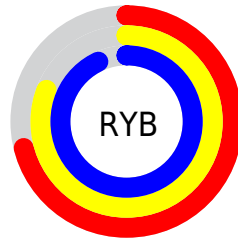
The XYZ color **62.7723, 73.0317, 90.1450** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.4923, 56.2872, 51.3938**, and the grayscale version is **65.6471, 69.0659, 75.2128**.

A 20% lighter version of the original color is **89.0699, 96.9171, 108.6201**, and **32.3206, 38.4673, 48.9015** is the 20% darker color. If you saturate the color by 10%, you get **57.1045, 69.2262, 89.7104**, and if you desaturate by 10%, it is **69.3891, 77.3411, 90.6292**.

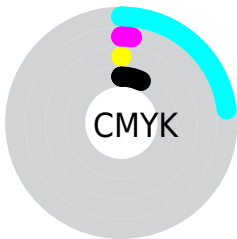
Distribution



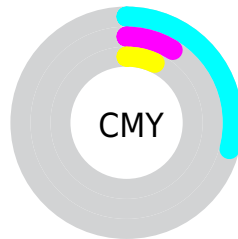
- Red (71%)
- Green (91%)
- Blue (93%)



- Red (71%)
- Yellow (81%)
- Blue (93%)



- Cyan (23%)
- Magenta (2%)
- Yellow (0%)
- Black (7%)



- Cyan (29%)
- Magenta (9%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.7723, 73.0317, 90.1450 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 62.7723, 73.0317, 90.1450 by changing the saturation by 10% instead.

■ 62.7723, 73.0317,
90.1450

■ 62.7723, 73.0317,
90.1450

424.4155,
471.1247, 549.0847

■ 45.9150, 54.0019,
67.5265

■ 107.9246,
123.5222, 149.4771

■ 32.3831, 38.6032,
49.0484

136.9503,
155.7517, 187.0277

■ 21.8112, 26.4512,
34.2920

170.7628,
193.1499, 230.3929

■ 13.8341, 17.1615,
22.8388

209.7275,
236.1011, 279.9910

■ 8.0863, 10.3497,
14.2704

254.2098,
284.9898, 336.2408

■ 4.2025, 5.6314,
8.1680

304.5750,

■ 1.8173, 2.6223,

340.2004, 399.5606

4.1134

361.1884,
402.1172, 470.3690

■ 0.5281, 0.9379,
1.6877

■ 0.0000, 0.0000,
0.3523

■ 62.7723, 73.0317,
90.1450

■ 62.7723, 73.0317,
90.1450

■ 57.1045, 69.2262,
89.7104

■ 69.3891, 77.3411,
90.6292

■ 52.3321, 65.8912,
89.3182

■ 76.9923, 82.1681,
91.1602

■ 48.4057, 63.0033,
88.9677

■ 85.6252, 87.5369,
91.7415

■ 45.2689, 60.5332,
88.6563

■ 87.4176, 89.3904,
92.0048

■ 42.8581, 58.4482,
88.3809

■ 88.0512, 90.6574,
92.2160

■ 41.1000, 56.7103,
88.1381

■ 88.6922, 91.9395,
92.4296

■ 39.9053, 55.2736,
87.9238

■ 89.3407, 93.2366,
92.6458

■ 39.3288, 54.4327,
87.7918

■ 89.9968, 94.5487,
92.8645

■ 90.6604, 95.8759,
93.0857

Harmonies

Analogous

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



61.9731, 73.0317, 78.5118



62.7723, 73.0317, 90.1450



65.3293, 73.0317, 99.6678

Triad

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



62.7723, 73.0317, 90.1450



76.1331, 73.0317, 92.0633



69.7682, 73.0317, 59.3853

Complementary

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



62.7723, 73.0317, 90.1450



60.4923, 56.2872, 51.3938

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.



73.6664, 73.0317, 62.2872



62.7723, 73.0317, 90.1450



77.4288, 73.0317, 80.5349

Square

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



62.7723, 73.0317, 90.1450



73.0318, 73.0317, 100.8483



76.5093, 73.0317, 69.7629



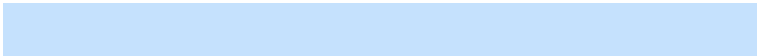
65.9186, 73.0317, 61.4316

Rectangle

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



62.7723, 73.0317, 90.1450



67.7390, 73.0317, 103.1459



76.5093, 73.0317, 69.7629



71.1173, 73.0317, 59.8075

Sweetspot

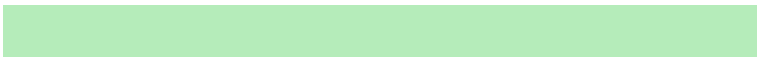
The Sweet Spot groups the original color and five complimentary colors.



62.7744, 73.0347, 90.1467



88.2699, 95.7399, 108.4351



57.8716, 73.3435, 57.3305



18.7743, 20.4168, 23.2013



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.



62.7744, 73.0347, 90.1467



71.4467, 84.8115, 107.2124



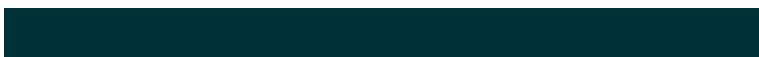
55.7709, 59.0275, 87.8121



15.3939, 16.8742, 19.3679



21.7287, 30.1044, 48.4085



1.7405, 2.4325, 3.8127

Inverse Universe

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



65.5415, 56.6518, 83.0851



75.3205, 62.1842, 97.2575



66.7491, 68.8010, 53.4794



15.6524, 15.2888, 18.7206



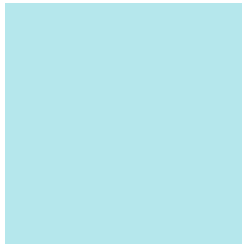
25.8230, 12.5319, 36.4646



2.0450, 0.9910, 2.9544

Previews

White Background



This preview shows how the XYZ color 62.7723, 73.0317, 90.1450 looks on a white background.

Color Contrast Check

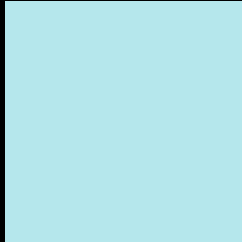
Large Text (above 18pt) WCAG AA × Fail

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 62.7723, 73.0317, 90.1450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

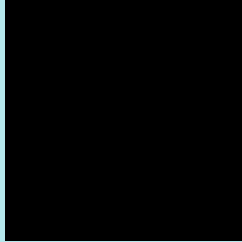
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 62.7723, 73.0317, 90.1450

Background



This preview shows how black text looks on a background with the XYZ color 62.7723, 73.0317, 90.1450.



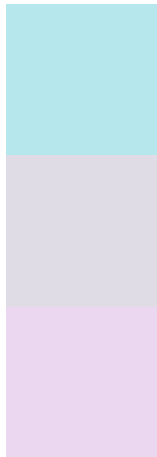
This preview shows how white text looks on a background with the XYZ color 62.7723, 73.0317,

90.1450.

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

62.7723, 73.0317, 90.1450

Protanopia

70.1675, 72.5315, 84.4305

Deuteranopia

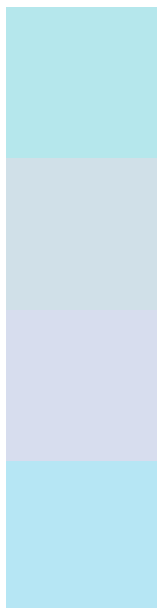
74.1414, 72.4950, 91.7466



Tritanopia

64.4910, 72.8832, 99.4758

Trichromacy



Original Color

62.7723, 73.0317, 90.1450

Protanomaly

67.2336, 72.5474, 86.8034

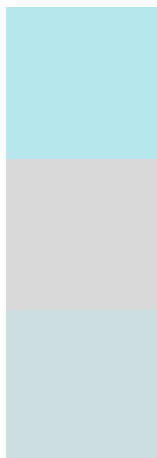
Deuteranomaly

69.3134, 72.3330, 91.1974

Tritanomaly

63.9174, 73.0704, 96.3231

Monochromacy



Original Color

62.7723, 73.0317, 90.1450

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

64.4777, 70.4617, 80.7231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.7723, 73.0317, 90.1450 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(181, 231, 236)` looks like.

```
.text, #text, p{  
    color:rgb(181, 231, 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(181, 231, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 231, 236) }
```

Border

The CSS property to change the border of an element to XYZ 62.7723, 73.0317, 90.1450 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(181, 231, 236) }
```


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

```
.border{ border-color:rgb(181, 231, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 231, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 231, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 231, 236);  
box-shadow:4px 4px 4px 4px rgb(181, 231,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 62.7723, 73.0317, 90.1450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 231, 236) }
```

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

```
.background{ background-color: rgb(181,  
231, 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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