

Converting Colors

XYZ(60.6226, 72.6075, 77.9201)

Have a look what the booklet for
XYZ(60.6226, 72.6075, 77.9201)
contains.

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Color

**XYZ(60.6989, 72.6515,
77.8418)**

Conversions

Conversions Part 1

Format	Color
Hex	B5E8DB
RGB	181, 232, 219
RGB Percent	71%, 91%, 86%
CMY	0.2902, 0.0902, 0.1412
CMYK	0.22, 0.00, 0.06, 0.09
HSL	165°, 53%, 81%
HSV	165°, 22%, 91%
XYZ	60.6989, 72.6515, 77.8418
YIQ	215.2690, -26.2230, -14.8550

Conversions

Conversions Part 2

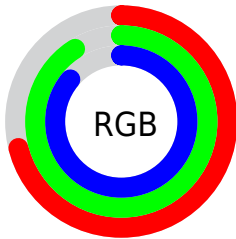
Format	Color
RYB	181, 210, 232
Decimal	11921627
CIELab	88.28, -18.91, 0.96
CIELCh	88, 18.936, 177.087
Yxy	72.6515, 0.2874, 0.3440
Android (android.graphics.Color)	4290111707 (0xFFB5E8DB)
YUV	215.2690, 1.8394, -30.0539
Hunter-Lab	85.2358, -22.0478, 5.5184

Details

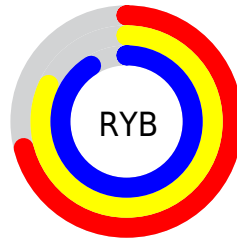
The XYZ color **60.6989, 72.6515, 77.8418** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.5428, 54.1006, 58.3463**, and the grayscale version is **64.7759, 68.1493, 74.2146**.

A 20% lighter version of the original color is **89.0699, 96.9171, 108.6201**, and **30.9786, 38.2430, 40.8709** is the 20% darker color. If you saturate the color by 10%, you get **54.9408, 69.7734, 73.5804**, and if you desaturate by 10%, it is **67.3947, 76.0136, 82.2946**.

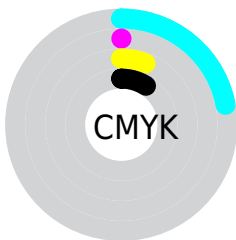
Distribution



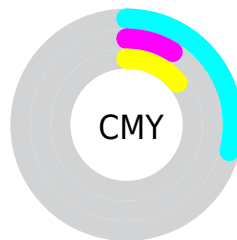
- Red (71%)
- Green (91%)
- Blue (86%)



- Red (71%)
- Yellow (82%)
- Blue (91%)



- Cyan (22%)
- Magenta (0%)
- Yellow (6%)
- Black (9%)





- Cyan (29%)
- Magenta (9%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.6989, 72.6515, 77.8418 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 60.6989, 72.6515, 77.8418 by changing the saturation by 10% instead.


 60.6989, 72.6515,
77.8418

 60.6989, 72.6515,
77.8418


416.9627,
469.8061, 507.1431

 44.2338, 53.6910,
57.4284


 104.9434,
122.9823, 132.1109

 31.0531, 38.3547,
40.9376


133.4536,
155.1215, 166.8037

 20.7913, 26.2581,
27.9510


166.7095,
192.4224, 207.0933

 13.0831, 17.0168,
18.0500

205.0765,
235.2694, 253.3983

 7.5632, 10.2465,
10.8161

248.9200,
284.0468, 306.1372

 3.8662, 5.5627,
5.8307

298.6053,

 1.6267, 2.5810,

339.1392, 365.7287

2.6753

354.4977,
400.9308, 432.5911

■ 0.4097, 0.9171,
0.9309

■ 0.0000, 0.0000,
0.0000

■ 60.6989, 72.6515,
77.8418

■ 60.6989, 72.6515,
77.8418

■ 54.9408, 69.7734,
73.5804

■ 67.3947, 76.0136,
82.2946

■ 50.0691, 67.3472,
69.5020


■ 75.0639, 79.8725,
86.9373


■ 46.0369, 65.3506,
65.6044


■ 83.7481, 84.2512,
91.7749


■ 42.7905, 63.7560,
61.8835


■ 86.2245, 85.4265,
96.4707


 40.2696, 62.5324,
58.3349


 87.1308, 85.7890,
101.2432

 38.4053, 61.6442,
54.9540

 88.0662, 86.1632,
106.1687

 37.1142, 61.0485,
51.7350

 88.1479, 86.1959,
106.5993

 36.3868, 60.7274,
49.2655

Harmonies

Analogous

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



61.9828, 72.6515, 66.2869



60.6989, 72.6515, 77.8418



61.5711, 72.6515, 91.0403

Triad

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



60.6989, 72.6515, 77.8418



73.1036, 72.6515, 103.5089



73.9044, 72.6515, 59.9236

Complementary

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



60.6989, 72.6515, 77.8418



59.5428, 54.1006, 58.3463

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.



77.1179, 72.6515, 68.2615



60.6989, 72.6515, 77.8418



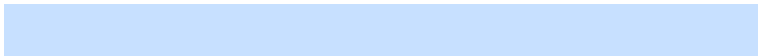
76.6415, 72.6515, 93.4777

Square

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



60.6989, 72.6515, 77.8418



68.6105, 72.6515, 106.7838



78.1406, 72.6515, 80.3821



69.4975, 72.6515, 56.6774

Rectangle

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



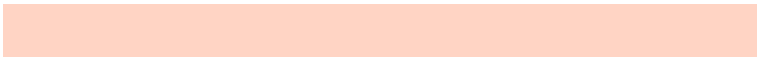
60.6989, 72.6515, 77.8418



63.2798, 72.6515, 98.8583



78.1406, 72.6515, 80.3821



75.1672, 72.6515, 62.1758

Sweetspot

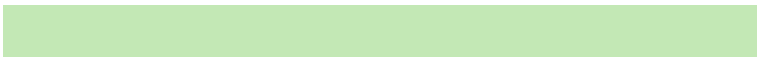
The Sweet Spot groups the original color and five complimentary colors.



60.7010, 72.6545, 77.8434



88.0610, 96.4807, 104.7935



59.6019, 72.6015, 54.5895



18.7259, 20.5890, 22.3555



0.0000, 0.0000, 0.0000



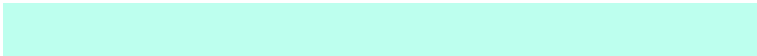
20.3446, 21.4041, 23.3091

Same Dimension

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



60.7010, 72.6545, 77.8434



72.1188, 88.4792, 94.2407



59.2433, 66.8916, 86.1364



14.6422, 16.2703, 17.6468



20.2531, 33.7333, 27.6309



1.5336, 2.5076, 2.2367

Inverse Universe

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



59.5428, 54.1006, 58.3463



70.4655, 61.9632, 66.3863



60.6695, 58.5899, 51.8287



14.5270, 14.4280, 15.7096



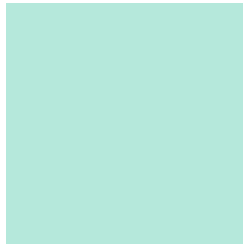
18.9586, 9.7176, 3.4107



1.4379, 0.7329, 0.4465

Previews

White Background



This preview shows how the XYZ color 60.6989, 72.6515, 77.8418 looks on a white background.

Color Contrast Check

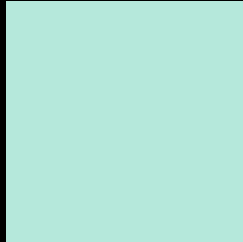
Large Text (above 18pt) WCAG AA × Fail

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 60.6989, 72.6515, 77.8418 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

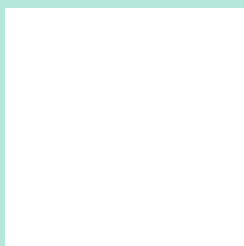
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 60.6989, 72.6515, 77.8418

Background



This preview shows how black text looks on a background with the XYZ color 60.6989, 72.6515, 77.8418.

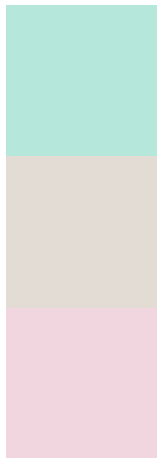


This preview shows how white text looks on a background with the XYZ color 60.6989, 72.6515,

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

60.6989, 72.6515, 77.8418

Protanopia

69.1554, 72.2708, 72.5921

Deuteranopia

73.6415, 72.1216, 79.8516



Tritanopia

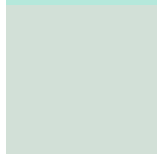
64.6277, 72.5797, 97.7918

Trichromacy



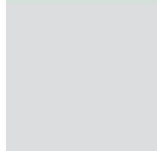
Original Color

60.6989, 72.6515, 77.8418



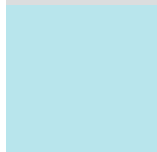
Protanomaly

65.4997, 71.9192, 74.7196



Deuteranomaly

68.2547, 72.0469, 79.4163



Tritanomaly

62.9268, 72.2851, 89.9927

Monochromacy



Original Color

60.6989, 72.6515, 77.8418



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

62.8797, 69.3673, 75.0409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.6989, 72.6515, 77.8418 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, 232, 219)` looks like.

```
.text, #text, p{  
    color:rgb(181, 232, 219)  
}
```

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, 232, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 232, 219) }
```

Border

The CSS property to change the border of an element to XYZ 60.6989, 72.6515, 77.8418 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, 232, 219) }
```


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

```
.border{ border-color:rgb(181, 232, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 232, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 232, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 232, 219);  
box-shadow:4px 4px 4px 4px rgb(181, 232,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 60.6989, 72.6515, 77.8418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 232, 219) }
```

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

```
.background{ background-color: rgb(181,  
232, 219) }
```

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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