

Converting Colors

XYZ(62.8888, 75.5252, 95.2676)

Have a look what the booklet for
XYZ(62.8888, 75.5252, 95.2676)
contains.

XYZ(62.8888, 75.5252, 95.2676)	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(62.8888, 75.5252,
95.2676)**

Conversions

Conversions Part 1

Format	Color
Hex	AAEDF2
RGB	170, 237, 242
RGB Percent	67%, 93%, 95%
CMY	0.3333, 0.0706, 0.0510
CMYK	0.30, 0.02, 0.00, 0.05
HSL	184°, 73%, 81%
HSV	184°, 30%, 95%
XYZ	62.8888, 75.5252, 95.2676
YIQ	217.5370, -41.5370, -12.6490

Conversions

Conversions Part 2

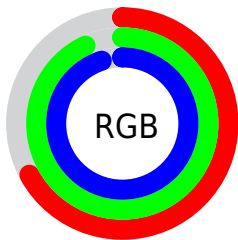
Format	Color
R _Y B	170, 205, 242
Decimal	11202034
CIE Lab	89.64, -19.64, -9.15
CIE LCh	90, 21.672, 204.987
Yxy	75.5252, 0.2691, 0.3232
Android (android.graphics.Color)	4289392114 (0xFFAAEDF2)
YUV	217.5370, 12.0603, -41.6899
Hunter-Lab	86.9052, -22.9130, -4.1615

Details

The XYZ color **62.8888, 75.5252, 95.2676** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.2047, 52.4402, 45.0336**, and the grayscale version is **66.2639, 69.7147, 75.9194**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **32.4570, 40.2378, 52.5104** is the 20% darker color. If you saturate the color by 10%, you get **57.6478, 72.1066, 94.8852**, and if you desaturate by 10%, it is **69.1018, 79.4554, 95.7000**.

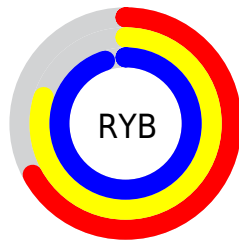
Distribution



Red (67%)

Green (93%)

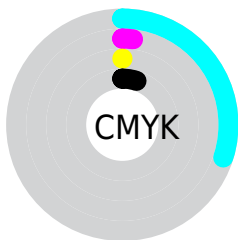
Blue (95%)



Red (67%)

Yellow (80%)

Blue (95%)

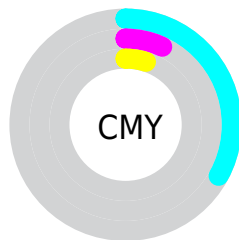


Cyan (30%)

Magenta (2%)

Yellow (0%)

Black (5%)



Cyan (33%)


Magenta (7%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.8888, 75.5252, 95.2676 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 62.8888, 75.5252, 95.2676 by changing the saturation by 10% instead.


 62.8888, 75.5252,
95.2676

 62.8888, 75.5252,
95.2676

424.8319,
479.7208, 566.0275

 46.0096, 56.0433,
71.7596

 108.0918,
127.0555, 156.6330

 32.4580, 40.2376,
52.4767


137.1462,
159.8727, 195.3275

 21.8688, 27.7239,
37.0003


170.9898,
197.9038, 239.9212

 13.8766, 18.1176,
24.9119

209.9879,
241.5331, 290.8328

 8.1160, 11.0345,
15.7930

254.5057,
291.1450, 348.4806

 4.2217, 6.0900,
9.2251

304.9088,

 1.8283, 2.8999,

347.1240, 413.2833

4.7895

361.5624,
409.8545, 485.6595

■ 0.5346, 1.0797,
2.0677

■ 0.0000, 0.0000,
0.5964

■ 62.8888, 75.5252,
95.2676

■ 62.8888, 75.5252,
95.2676

■ 57.6478, 72.1066,
94.8852

■ 69.1018, 79.4554,
95.7000

■ 53.3191, 69.1632,
94.5453

■ 76.3289, 83.9132,
96.1795

■ 49.8469, 66.6681,
94.2467

■ 84.6180, 88.9253,
96.7101

■ 47.1667, 64.5880,
93.9864

■ 89.5347, 92.2057,
97.0841

45.2044, 62.8847,
93.7611

90.0416, 93.2197,
97.2531

43.8722, 61.5129,
93.5665

90.5532, 94.2429,
97.4237

43.0267, 60.3986,
93.3960

91.0695, 95.2753,
97.5957

43.0078, 60.3720,
93.3919

91.5903, 96.3170,
97.7694

92.1158, 97.3681,
97.9445

Harmonies

Analogous

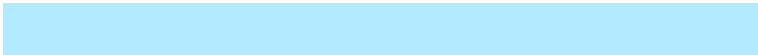
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.0501, 75.5252, 79.6953



62.8888, 75.5252, 95.2676



66.0624, 75.5252, 108.6958

Triad

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



62.8888, 75.5252, 95.2676



80.5109, 75.5252, 100.2534



72.6839, 75.5252, 56.3205

Complementary

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



62.8888, 75.5252, 95.2676



59.2047, 52.4402, 45.0336

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.



77.8277, 75.5252, 60.4586



62.8888, 75.5252, 95.2676



82.4870, 75.5252, 84.8262

Square

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



62.8888, 75.5252, 95.2676



76.2017, 75.5252, 111.8149



81.4817, 75.5252, 70.4471



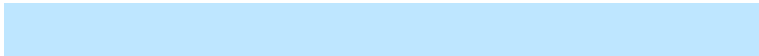
67.5412, 75.5252, 58.3929

Rectangle

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



62.8888, 75.5252, 95.2676



69.1618, 75.5252, 113.9708



81.4817, 75.5252, 70.4471



74.4725, 75.5252, 57.0146

Sweetspot

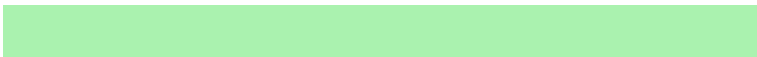
The Sweet Spot groups the original color and five complimentary colors.



62.8910, 75.5282, 95.2693



86.5989, 94.8920, 108.3595



56.0495, 75.1391, 52.0055



18.2631, 20.1444, 23.1756



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.



62.8910, 75.5282, 95.2693



66.9562, 82.5495, 107.0124



53.5395, 56.8252, 92.1522



16.1480, 17.7301, 20.2928



23.1457, 32.5156, 50.1841



1.9535, 2.7609, 4.1842

Inverse Universe

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



66.2806, 53.7430, 87.0041



71.4137, 54.3418, 96.0440



67.1197, 68.2704, 47.6719



16.4041, 16.0114, 19.6844



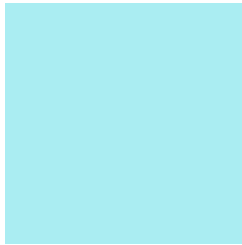
27.0085, 13.0758, 39.5568



2.2610, 1.0934, 3.3651

Previews

White Background



This preview shows how the XYZ color 62.8888, 75.5252, 95.2676 looks on a white background.

Color Contrast Check

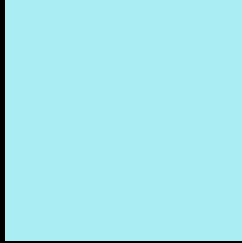
Large Text (above 18pt) WCAG AA × Fail

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 62.8888, 75.5252, 95.2676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

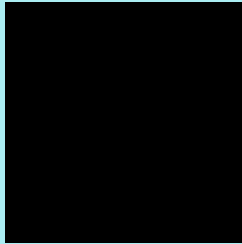
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 62.8888, 75.5252, 95.2676

Background



This preview shows how black text looks on a background with the XYZ color 62.8888, 75.5252, 95.2676.



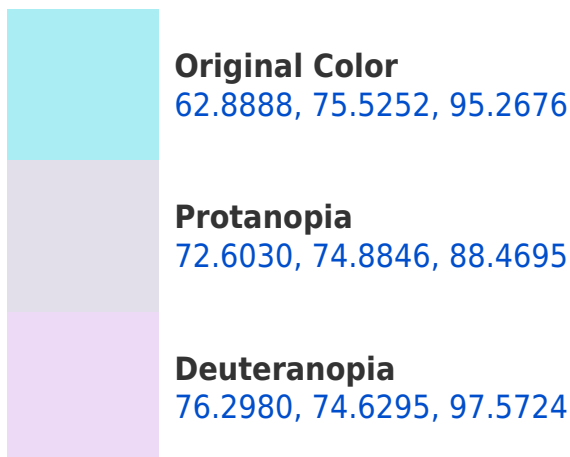
This preview shows how white text looks on a background with the XYZ color 62.8888, 75.5252,

95.2676.

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





Tritanopia

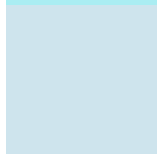
64.8313, 75.4567, 104.9135

Trichromacy



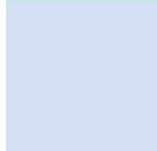
Original Color

62.8888, 75.5252, 95.2676



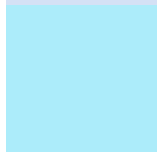
Protanomaly

68.4831, 74.7230, 90.9343



Deuteranomaly

70.5580, 74.4400, 97.0358



Tritanomaly

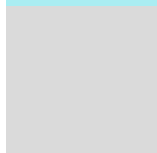
64.2640, 75.6637, 101.6600

Monochromacy



Original Color

62.8888, 75.5252, 95.2676



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

64.8777, 71.8140, 83.1151

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.8888, 75.5252, 95.2676 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(170, 237, 242)` looks like.

```
.text, #text, p{  
    color:rgb(170, 237, 242)  
}
```

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(170, 237, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 237, 242) }
```

Border

The CSS property to change the border of an element to XYZ 62.8888, 75.5252, 95.2676 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(170, 237, 242) }
```


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

```
.border{ border-color:rgb(170, 237, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 237, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 237, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 237, 242); box-shadow:4px 4px 4px 4px rgb(170, 237, 242) }
```

Background

The CSS property to change the background color of an element to XYZ 62.8888, 75.5252, 95.2676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 237, 242) }
```

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

```
.background{ background-color: rgb(170,  
237, 242) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor