

Converting Colors

XYZ(52.4954, 62.4108, 84.8826)

Have a look what the booklet for
XYZ(52.4954, 62.4108, 84.8826)
contains.

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Color

**XYZ(52.3735, 62.1675,
84.8405)**

Conversions

Conversions Part 1

Format	Color
Hex	99D9E7
RGB	153, 217, 231
RGB Percent	60%, 85%, 91%
CMY	0.4000, 0.1490, 0.0941
CMYK	0.34, 0.06, 0.00, 0.09
HSL	191°, 62%, 75%
HSV	191°, 34%, 91%
XYZ	52.3735, 62.1675, 84.8405
YIQ	199.4600, -42.6380, -9.2140

Conversions

Conversions Part 2

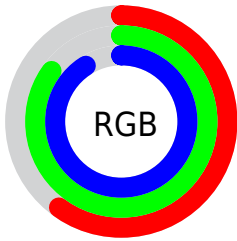
Format	Color
RYB	153, 188, 231
Decimal	10082791
CIELab	83.00, -16.82, -13.35
CIELCh	83, 21.471, 218.432
Yxy	62.1675, 0.2627, 0.3118
Android (android.graphics.Color)	4288272871 (0xFF99D9E7)
YUV	199.4600, 15.5492, -40.7454
Hunter-Lab	78.8464, -19.4130, -8.6049

Details

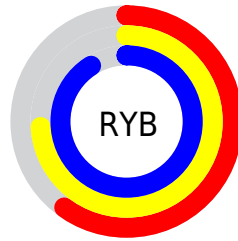
The XYZ color **52.3735, 62.1675, 84.8405** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.5244, 46.9270, 36.4279**, and the grayscale version is **54.4957, 57.3337, 62.4364**.

A 20% lighter version of the original color is **80.3883, 92.4416, 108.2138**, and **25.6952, 31.5325, 45.2895** is the 20% darker color. If you saturate the color by 10%, you get **47.3737, 58.0250, 84.3055**, and if you desaturate by 10%, it is **58.2479, 66.8037, 85.4268**.

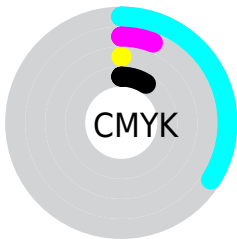
Distribution



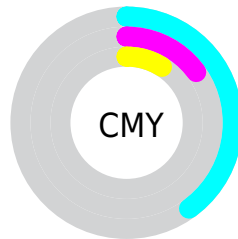
- Red (60%)
- Green (85%)
- Blue (91%)



- Red (60%)
- Yellow (74%)
- Blue (91%)



- Cyan (34%)
- Magenta (6%)
- Yellow (0%)
- Black (9%)





- Cyan (40%)
- Magenta (15%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.3735, 62.1675, 84.8405 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 52.3735, 62.1675, 84.8405 by changing the saturation by 10% instead.


 52.3735, 62.1675,
84.8405


 52.3735, 62.1675,
84.8405


386.1772,
432.5418, 531.2310

 37.5283, 45.1681,
63.1602


 92.8528, 107.9676,
142.0225

 25.7924, 31.5898,
45.5290


 119.2177,
137.5370, 178.3613

 16.8002, 21.0484,
31.5283


150.1531,
172.0652, 220.4233

 10.1866, 13.1594,
20.7397

186.0246,
211.9366, 268.6271

 5.5861, 7.5384,
12.7444

227.1974,
257.5356, 323.3912

 2.6333, 3.8010,
7.1242

274.0368,

 0.9630, 1.5629,

309.2465, 385.1342

3.4602

326.9083,
367.4538, 454.2746

■ 0.0000, 0.3324,
1.3342

■ 0.0000, 0.0000,
0.0896

■ 52.3735, 62.1675,
84.8405

■ 52.3735, 62.1675,
84.8405

■ 47.3737, 58.0250,
84.3055

■ 58.2479, 66.8037,
85.4268

■ 43.1938, 54.3433,
83.8152

■ 65.0363, 71.9497,
86.0623

■ 39.7816, 51.0966,
83.3683

■ 72.7827, 77.6300,
86.7504

■ 37.0762, 48.2533,
82.9621

■ 81.5264, 83.8651,
87.4931

■ 35.0074, 45.7768,
82.5931

■ 86.1605, 88.0226,
88.0513

■ 33.4897, 43.6228,
82.2574

■ 87.3796, 90.4608,
88.4577

■ 32.7393, 42.4001,
82.0609

■ 88.6267, 92.9550,
88.8734

■ 89.9020, 95.5055,
89.2985

■ 91.2056, 98.1127,
89.7330

Harmonies

Analogous

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



50.6977, 62.1675, 71.5047



52.3735, 62.1675, 84.8405



55.8699, 62.1675, 94.3313

Triad

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



52.3735, 62.1675, 84.8405



67.7768, 62.1675, 77.5206



57.7902, 62.1675, 45.4364

Complementary

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



52.3735, 62.1675, 84.8405



52.5244, 46.9270, 36.4279

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.



62.4280, 62.1675, 46.6058



52.3735, 62.1675, 84.8405



68.3572, 62.1675, 64.0132

Square

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



52.3735, 62.1675, 84.8405



64.8073, 62.1675, 89.7352



66.3539, 62.1675, 53.0219



53.7161, 62.1675, 49.5876

Rectangle

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



52.3735, 62.1675, 84.8405



58.8446, 62.1675, 96.5682



66.3539, 62.1675, 53.0219



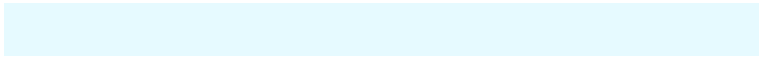
59.3328, 62.1675, 45.2324

Sweetspot

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



52.3754, 62.1700, 84.8419



84.8403, 92.5953, 108.0089



48.5970, 66.6786, 46.3868



17.8736, 19.6083, 23.0927



0.0000, 0.0000, 0.0000



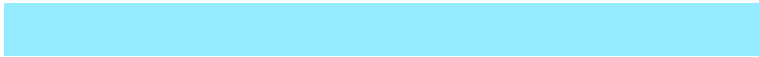
20.3446, 21.4041, 23.3091

Same Dimension

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



52.3754, 62.1700, 84.8419



60.7745, 73.8745, 105.6638



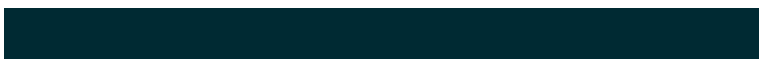
43.6822, 44.7835, 81.9442



14.5759, 15.8733, 18.4399



18.4371, 23.9363, 46.0316



1.4201, 1.8841, 3.4208

Inverse Universe

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



56.8722, 44.7827, 71.2947



67.3931, 49.2865, 85.4991



60.5374, 62.9528, 39.0989



14.8783, 14.5685, 17.5595



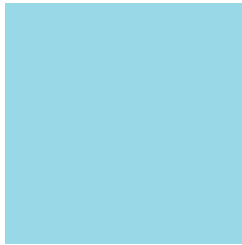
23.6997, 11.6141, 28.3773



1.7804, 0.8699, 2.2503

Previews

White Background



This preview shows how the XYZ color 52.3735, 62.1675, 84.8405 looks on a white background.

Color Contrast Check

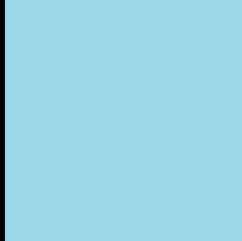
Large Text (above 18pt) WCAG AA × Fail

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 52.3735, 62.1675, 84.8405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

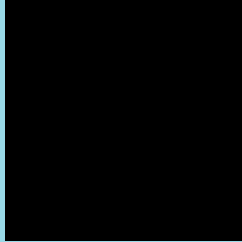
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.3735, 62.1675, 84.8405

Background



This preview shows how black text looks on a background with the XYZ color 52.3735, 62.1675, 84.8405.

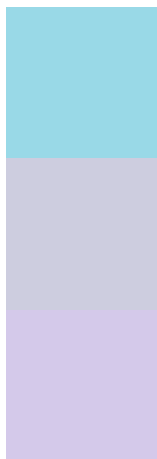


This preview shows how white text looks on a background with the XYZ color 52.3735, 62.1675,

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

52.3735, 62.1675, 84.8405

Protanopia

60.3274, 61.9695, 78.5937

Deuteranopia

62.8893, 61.7109, 86.4387



Tritanopia

52.9906, 62.4362, 87.1004

Trichromacy



Original Color

52.3735, 62.1675, 84.8405

Protanomaly

56.7776, 61.5310, 80.8357

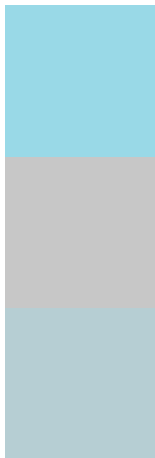
Deuteranomaly

58.5067, 61.5852, 85.8943

Tritanomaly

52.8473, 62.3789, 86.3458

Monochromacy



Original Color

52.3735, 62.1675, 84.8405

Achromatopsia

54.2854, 57.1125, 62.1955

Achromatomaly

53.1206, 58.7908, 70.1760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.3735, 62.1675, 84.8405 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(153, 217, 231)` looks like.

```
.text, #text, p{  
    color:rgb(153, 217, 231)  
}
```

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(153, 217, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 217, 231) }
```

Border

The CSS property to change the border of an element to XYZ 52.3735, 62.1675, 84.8405 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(153, 217, 231) }
```


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

```
.border{ border-color:rgb(153, 217, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 217, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 217, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 217, 231);  
box-shadow:4px 4px 4px 4px rgb(153, 217,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 52.3735, 62.1675, 84.8405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 217, 231) }
```

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

```
.background{ background-color: rgb(153,  
217, 231) }
```

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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