

Converting Colors

XYZ(52.0961, 61.9495, 83.7089)

Have a look what the booklet for
XYZ(52.0961, 61.9495, 83.7089)
contains.

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Color

**XYZ(52.2327, 62.1112,
84.0986)**

Conversions

Conversions Part 1

Format	Color
Hex	99D9E6
RGB	153, 217, 230
RGB Percent	60%, 85%, 90%
CMY	0.4000, 0.1490, 0.0980
CMYK	0.33, 0.06, 0.00, 0.10
HSL	190°, 61%, 75%
HSV	190°, 33%, 90%
XYZ	52.2327, 62.1112, 84.0986
YIQ	199.3460, -42.3170, -9.5250

Conversions

Conversions Part 2

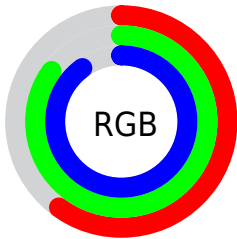
Format	Color
RYB	153, 188, 230
Decimal	10082790
CIELab	82.97, -17.06, -12.86
CIElCh	83, 21.362, 217.011
Yxy	62.1112, 0.2632, 0.3130
Android (android.graphics.Color)	4288272870 (0xFF99D9E6)
YUV	199.3460, 15.1124, -40.6454
Hunter-Lab	78.8107, -19.6157, -8.1007

Details

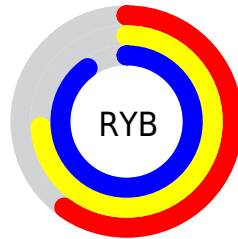
The XYZ color **52.2327, 62.1112, 84.0986** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.0201, 46.3961, 36.3522**, and the grayscale version is **54.4284, 57.2629, 62.3593**.

A 20% lighter version of the original color is **80.1045, 92.2953, 108.2006**, and **25.6952, 31.5325, 45.2895** is the 20% darker color. If you saturate the color by 10%, you get **47.3144, 58.1090, 83.5864**, and if you desaturate by 10%, it is **58.0150, 66.5968, 84.6607**.

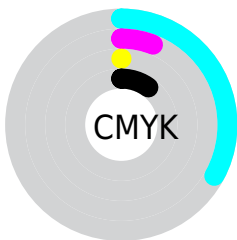
Distribution



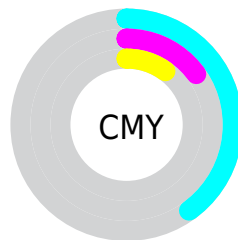
- Red (60%)
- Green (85%)
- Blue (90%)



- Red (60%)
- Yellow (74%)
- Blue (90%)



- Cyan (33%)
- Magenta (6%)
- Yellow (0%)
- Black (10%)



- Cyan (40%)
- Magenta (15%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2327, 62.1112, 84.0986 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 52.2327, 62.1112, 84.0986 by changing the saturation by 10% instead.

■ 52.2327, 62.1112,
84.0986

■ 52.2327, 62.1112,
84.0986

385.6435,
432.3366, 528.7072

■ 37.4156, 45.1226,
62.5510

■ 92.6465, 107.8862,
140.9760

■ 25.7046, 31.5540,
45.0394

■ 118.9740,
137.4414, 177.1430

■ 16.7343, 21.0210,
31.1453

149.8689,
171.9542, 219.0201

■ 10.1394, 13.1394,
20.4501

185.6967,
211.8091, 267.0259

■ 5.5544, 7.5246,
12.5353

226.8227,
257.3903, 321.5790

■ 2.6142, 3.7923,
6.9824

273.6123,

■ 0.9532, 1.5581,

309.0824, 383.0979

3.3728

326.4308,
367.2697, 452.0011

■ 0.0000, 0.3291,
1.2880

■ 0.0000, 0.0000,
0.0519

■ 52.2327, 62.1112,
84.0986

■ 52.2327, 62.1112,
84.0986

■ 47.3144, 58.1090,
83.5864

■ 58.0150, 66.5968,
84.6607

■ 43.2061, 54.5575,
83.1174

■ 64.7002, 71.5815,
85.2705

■ 39.8563, 51.4316,
82.6906

■ 72.3316, 77.0894,
85.9314

■ 37.2051, 48.7001,
82.3031

■ 80.9480, 83.1408,
86.6453

■ 35.1834, 46.3270,
81.9516

■ 85.6386, 87.2043,
87.1824

■ 33.7072, 44.2690,
81.6322

■ 86.7713, 89.4696,
87.5600

■ 32.9524, 43.0518,
81.4370

■ 87.9284, 91.7839,
87.9457

■ 89.1102, 94.1474,
88.3396

■ 90.3167, 96.5604,
88.7418

Harmonies

Analogous

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



50.6630, 62.1112, 70.7763



52.2327, 62.1112, 84.0986



55.6386, 62.1112, 93.8077

Triad

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



52.2327, 62.1112, 84.0986



67.5810, 62.1112, 78.0407



57.9589, 62.1112, 45.4226

Complementary

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



52.2327, 62.1112, 84.0986



52.0201, 46.3961, 36.3522

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.



62.5665, 62.1112, 46.8384



52.2327, 62.1112, 84.0986



68.2815, 62.1112, 64.5755

Square

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



52.2327, 62.1112, 84.0986



64.5358, 62.1112, 90.0043



66.4033, 62.1112, 53.4628



53.8557, 62.1112, 49.3074

Rectangle

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



52.2327, 62.1112, 84.0986



58.5736, 62.1112, 96.2952



66.4033, 62.1112, 53.4628



59.4984, 62.1112, 45.3036

Sweetspot

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



52.2346, 62.1137, 84.1000



84.9250, 92.7647, 108.0371



48.3027, 66.1143, 46.2134



17.8942, 19.6496, 23.0996



0.0000, 0.0000, 0.0000



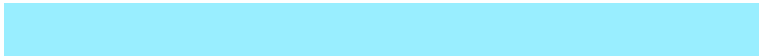
20.3446, 21.4041, 23.3091

Same Dimension

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



52.2346, 62.1137, 84.1000



61.6980, 75.0145, 105.8352



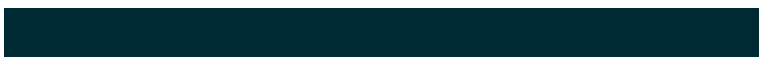
43.4747, 44.5938, 81.1801



14.5895, 15.9005, 18.4445



18.7340, 24.5301, 46.1306



1.4394, 1.9228, 3.4272

Inverse Universe

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



56.5503, 44.6169, 71.2797



68.0318, 50.2027, 86.8256



60.0564, 62.4687, 39.0310



14.8852, 14.5713, 17.5956



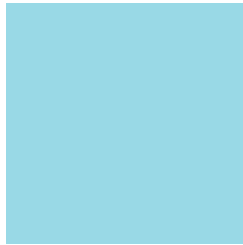
23.8496, 11.6740, 29.1665



1.7902, 0.8738, 2.3017

Previews

White Background



This preview shows how the XYZ color 52.2327, 62.1112, 84.0986 looks on a white background.

Color Contrast Check

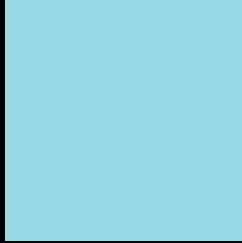
Large Text (above 18pt) WCAG AA × Fail

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 52.2327, 62.1112, 84.0986 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 52.2327, 62.1112, 84.0986

Background



This preview shows how black text looks on a background with the XYZ color 52.2327, 62.1112, 84.0986.



This preview shows how white text looks on a background with the XYZ color 52.2327, 62.1112,

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

52.2327, 62.1112, 84.0986

Protanopia

60.1930, 61.9157, 77.8857

Deuteranopia

63.0352, 61.8026, 85.6976



Tritanopia

52.7336, 61.9223, 87.0147

Trichromacy



Original Color

52.2327, 62.1112, 84.0986

Protanomaly

56.6408, 61.4763, 80.1150

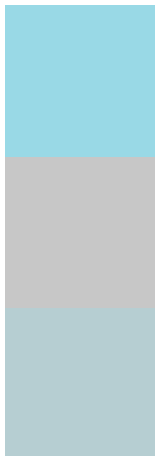
Deuteranomaly

58.3642, 61.5282, 85.1439

Tritanomaly

52.5903, 61.8650, 86.2601

Monochromacy



Original Color

52.2327, 62.1112, 84.0986

Achromatopsia

54.2854, 57.1125, 62.1955

Achromatomaly

52.9956, 58.7408, 69.5177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2327, 62.1112, 84.0986 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, 230)` looks like.

```
.text, #text, p{  
    color:rgb(153, 217, 230)  
}
```

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, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 217, 230) }
```

Border

The CSS property to change the border of an element to XYZ 52.2327, 62.1112, 84.0986 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, 230) }
```


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

```
.border{ border-color:rgb(153, 217, 230) }
```

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, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 217, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 217, 230);  
box-shadow:4px 4px 4px 4px rgb(153, 217,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2327, 62.1112, 84.0986 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, 230) }
```

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

```
.background{ background-color: rgb(153,  
217, 230) }
```

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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