

Converting Colors

XYZ(42.3185, 52.9003, 41.5048)

Have a look what the booklet for
XYZ(42.3185, 52.9003, 41.5048)
contains.

XYZ(42.2862, 52.7587, 41.6729)	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(42.2862, 52.7587,
41.6729)**

Conversions

Conversions Part 1

Format	Color
Hex	A0CBA1
RGB	160, 203, 161
RGB Percent	63%, 80%, 63%
CMY	0.3725, 0.2039, 0.3686
CMYK	0.21, 0.00, 0.21, 0.20
HSL	121°, 29%, 71%
HSV	121°, 21%, 80%
XYZ	42.2862, 52.7587, 41.6729
YIQ	185.3550, -12.1460, -22.1780

Conversions

Conversions Part 2

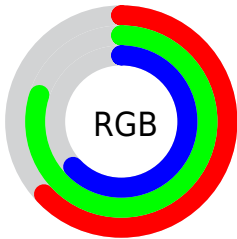
Format	Color
RYB	160, 202, 203
Decimal	10537889
CIELab	77.73, -22.32, 16.40
CIElCh	78, 27.694, 143.693
Yxy	52.7587, 0.3093, 0.3859
Android (android.graphics.Color)	4288727969 (0xFFA0CBA1)
YUV	185.3550, -12.0070, -22.2363
Hunter-Lab	72.6352, -23.1938, 16.8282

Details

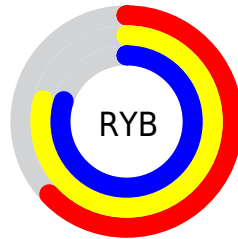
The XYZ color **42.2862, 52.7587, 41.6729** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **47.8620, 42.1036, 61.4838**, and the grayscale version is **46.3826, 48.7981, 53.1412**.

A 20% lighter version of the original color is **76.1790, 90.9249, 78.5010**, and **19.6921, 25.7872, 18.4075** is the 20% darker color. If you saturate the color by 10%, you get **36.9425, 50.1917, 33.0079**, and if you desaturate by 10%, it is **48.5727, 55.7827, 51.8317**.

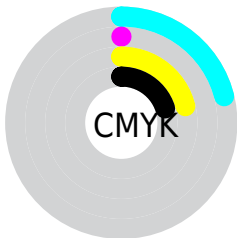
Distribution



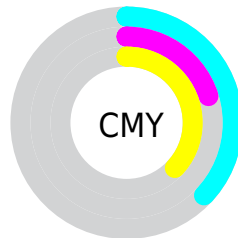
- Red (63%)
- Green (80%)
- Blue (63%)



- Red (63%)
- Yellow (79%)
- Blue (80%)



- Cyan (21%)
- Magenta (0%)
- Yellow (21%)
- Black (20%)



- Cyan (37%)
- Magenta (20%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2862, 52.7587, 41.6729 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 42.2862, 52.7587, 41.6729 by changing the saturation by 10% instead.

■ 42.2862, 52.7587,
41.6729

■ 42.2862, 52.7587,
41.6729

346.6395,
397.3587, 368.8848

■ 29.5175, 37.6102,
28.5216

■ 77.8950, 94.2492,
78.9691

■ 19.6189, 25.6803,
18.4768

■ 101.4659,
121.3600, 103.9510

■ 12.2250, 16.5846,
11.1198

129.3683,
153.2269, 133.7136

■ 6.9704, 9.9388,
6.0323

161.9675,
190.2345, 168.6753

■ 3.4898, 5.3584,
2.7956

199.6288,
232.7671, 209.2548

■ 1.4177, 2.4590,
0.9913

242.7177,

■ 0.2688, 0.8560,

281.2090, 255.8705

0.0000

291.5995,
335.9448, 308.9410

■ 0.0000, 0.0000,
0.0000

■ 42.2862, 52.7587,
41.6729

■ 42.2862, 52.7587,
41.6729

■ 36.9425, 50.1917,
33.0079

■ 48.5727, 55.7827,
51.8317

■ 32.4922, 48.0533,
25.7631

■ 55.8400, 59.2774,
63.5463

■ 28.8879, 46.3220,
19.8637

■ 64.1289, 63.2639,
76.8795

■ 26.0759, 44.9721,
15.2269

■ 73.4769, 67.7605,
91.8896

■ 23.9967, 43.9748,
11.7606

■ 80.6470, 71.1940,
104.0990

■ 22.5822, 43.2972,
9.3605

■ 21.7513, 42.9003,
7.9036

■ 21.3829, 42.7243,
7.2552

Harmonies

Analogous

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



46.1150, 52.7587, 34.4236



42.2862, 52.7587, 41.6729



40.5785, 52.7587, 54.2616

Triad

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



42.2862, 52.7587, 41.6729



49.0212, 52.7587, 92.0829



60.1935, 52.7587, 46.3765

Complementary

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



42.2862, 52.7587, 41.6729



47.8620, 42.1036, 61.4838

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.



61.1093, 52.7587, 60.7511



42.2862, 52.7587, 41.6729



54.4044, 52.7587, 88.9544

Square

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



42.2862, 52.7587, 41.6729



44.2842, 52.7587, 84.6822



58.9230, 52.7587, 76.7663



56.5026, 52.7587, 36.7815

Rectangle

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



42.2862, 52.7587, 41.6729



40.7791, 52.7587, 64.7236



58.9230, 52.7587, 76.7663



60.8465, 52.7587, 50.7341

Sweetspot

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



42.2876, 52.7609, 41.6741



87.3299, 96.2874, 96.4642



52.1373, 57.8488, 41.6763



18.5204, 20.5268, 20.3703



0.0000, 0.0000, 0.0000



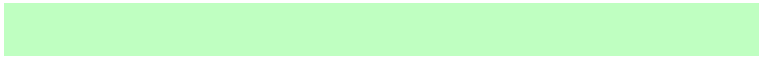
20.3446, 21.4041, 23.3091

Same Dimension

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



42.2876, 52.7609, 41.6741



66.9047, 86.4672, 63.4596



44.3207, 53.5742, 52.3799



11.0784, 12.5411, 11.9705



13.6119, 27.1901, 4.6415



0.7060, 1.4042, 0.2594

Inverse Universe

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



47.8620, 42.1036, 61.4838



77.7375, 65.7556, 101.9558



45.5194, 41.1666, 49.1479



11.6759, 11.3991, 14.0936



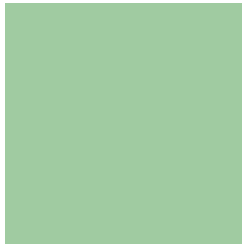
22.1857, 10.6849, 35.0262



1.1482, 0.5527, 1.8262

Previews

White Background



This preview shows how the XYZ color 42.2862, 52.7587, 41.6729 looks on a white background.

Color Contrast Check

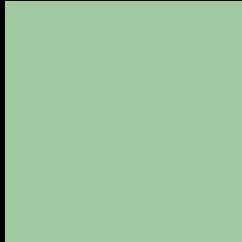
Large Text (above 18pt) WCAG AA × Fail

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 42.2862, 52.7587, 41.6729 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

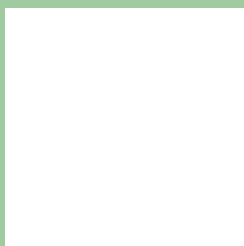
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.2862, 52.7587, 41.6729

Background



This preview shows how black text looks on a background with the XYZ color 42.2862, 52.7587, 41.6729.



This preview shows how white text looks on a background with the XYZ color 42.2862, 52.7587,

41.6729.

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

42.2862, 52.7587, 41.6729

Protanopia

49.1758, 52.3247, 38.5182

Deuteranopia

53.4472, 52.2132, 42.8585



Tritanopia

47.9858, 52.6683, 69.9242

Trichromacy



Original Color

42.2862, 52.7587, 41.6729

Protanomaly

46.0944, 52.0293, 39.5115

Deuteranomaly

48.6203, 51.9477, 42.5863

Tritanomaly

45.7749, 52.8041, 58.2317

Monochromacy



Original Color

42.2862, 52.7587, 41.6729

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

44.5906, 50.0640, 48.3874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2862, 52.7587, 41.6729 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(160, 203, 161)` looks like.

```
.text, #text, p{  
    color:rgb(160, 203, 161)  
}
```

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(160, 203, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 203, 161) }
```

Border

The CSS property to change the border of an element to XYZ 42.2862, 52.7587, 41.6729 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(160, 203, 161) }
```


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

```
.border{ border-color:rgb(160, 203, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 203, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(160, 203, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(160, 203, 161); box-shadow:4px 4px 4px 4px rgb(160, 203, 161) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2862, 52.7587, 41.6729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 203, 161) }
```

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

```
.background{ background-color: rgb(160,  
203, 161) }
```

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