

Converting Colors

XYZ(42.4663, 51.2647, 43.8084)

Have a look what the booklet for
XYZ(42.4663, 51.2647, 43.8084)
contains.

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Color

**XYZ(42.6162, 51.4925,
43.7693)**

Conversions

Conversions Part 1

Format	Color
Hex	A4C7A6
RGB	164, 199, 166
RGB Percent	64%, 78%, 65%
CMY	0.3569, 0.2196, 0.3490
CMYK	0.18, 0.00, 0.17, 0.22
HSL	123°, 24%, 71%
HSV	123°, 18%, 78%
XYZ	42.6162, 51.4925, 43.7693
YIQ	184.7730, -10.2670, -17.6830

Conversions

Conversions Part 2

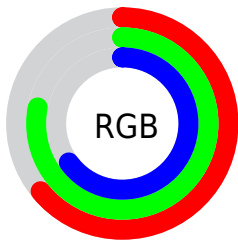
Format	Color
RYB	164, 197, 199
Decimal	10799014
CIELab	76.98, -18.07, 12.70
CIElCh	77, 22.085, 144.899
Yxy	51.4925, 0.3091, 0.3735
Android (android.graphics.Color)	4288989094 (0xFFA4C7A6)
YUV	184.7730, -9.2551, -18.2179
Hunter-Lab	71.7583, -19.5684, 14.0666

Details

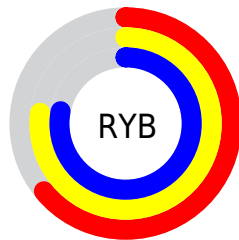
The XYZ color **42.6162, 51.4925, 43.7693** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **46.9085, 42.7255, 58.6002**, and the grayscale version is **46.0430, 48.4408, 52.7520**.

A 20% lighter version of the original color is **78.0246, 91.8005, 82.0136**, and **19.8448, 24.9104, 19.6819** is the 20% darker color. If you saturate the color by 10%, you get **37.2288, 48.9013, 35.1787**, and if you desaturate by 10%, it is **48.9002, 54.5199, 53.7149**.

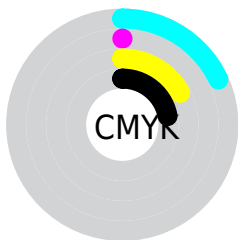
Distribution



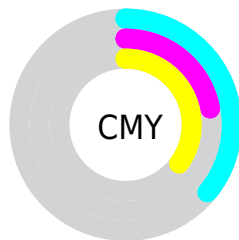
- Red (64%)
- Green (78%)
- Blue (65%)



- Red (64%)
- Yellow (77%)
- Blue (78%)



- Cyan (18%)
- Magenta (0%)
- Yellow (17%)
- Black (22%)



- Cyan (36%)
- Magenta (22%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6162, 51.4925, 43.7693 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 42.6162, 51.4925, 43.7693 by changing the saturation by 10% instead.

■ 42.6162, 51.4925,
43.7693

■ 42.6162, 51.4925,
43.7693

347.9793,
392.4742, 377.7798

■ 29.7773, 36.6007,
30.1533

■ 78.3907, 92.3824,
82.1693

■ 19.8169, 24.8985,
19.7020

■ 102.0570,
119.1492, 107.7903

■ 12.3695, 16.0014,
11.9967

130.0632,
150.6432, 138.2501

■ 7.0698, 9.5252,
6.6189

162.7746,
187.2488, 173.9673

■ 3.5525, 5.0853,
3.1501

200.5565,
229.3502, 215.3603

■ 1.4522, 2.2974,
1.1718

243.7744,

■ 0.2930, 0.7723,

277.3320, 262.8477

0.0000

292.7936,
331.5786, 316.8480

■ 0.0000, 0.0000,
0.0000

■ 42.6162, 51.4925,
43.7693

■ 42.6162, 51.4925,
43.7693

■ 37.2288, 48.9013,
35.1787

■ 48.9002, 54.5199,
53.7149

■ 32.6932, 46.7199,
27.8812

■ 56.1146, 57.9952,
65.0670

■ 28.9670, 44.9294,
21.8153

■ 64.2966, 61.9382,
77.8785

■ 26.0026, 43.5066,
16.9131

■ 73.4803, 66.3651,
92.1986

■ 23.7471, 42.4259,
13.1001

■ 79.7144, 69.3288,
103.7881

■ 22.1414, 41.6586,
10.2933

■ 21.1162, 41.1710,
8.3976

■ 20.5772, 40.9169,
7.2994

■ 20.4870, 40.8738,
7.1377

Harmonies

Analogous

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



45.6139, 51.4925, 37.5646



42.6162, 51.4925, 43.7693



41.3170, 51.4925, 54.0313

Triad

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



42.6162, 51.4925, 43.7693



48.2262, 51.4925, 82.4601



56.6544, 51.4925, 46.8653

Complementary

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



42.6162, 51.4925, 43.7693



46.9085, 42.7255, 58.6002

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.



57.4519, 51.4925, 58.1524



42.6162, 51.4925, 43.7693



52.4283, 51.4925, 79.8219

Square

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



42.6162, 51.4925, 43.7693



44.4352, 51.4925, 77.2426



55.8649, 51.4925, 70.4751



53.7438, 51.4925, 39.1645

Rectangle

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



42.6162, 51.4925, 43.7693



41.5318, 51.4925, 62.2382



55.8649, 51.4925, 70.4751



57.1852, 51.4925, 50.3170

Sweetspot

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



42.6176, 51.4947, 43.7704



88.6383, 96.9113, 98.8111



50.2179, 55.4338, 43.1756



18.7867, 20.6536, 20.8572



0.0000, 0.0000, 0.0000



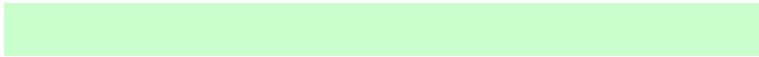
20.3446, 21.4041, 23.3091

Same Dimension

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



42.6176, 51.4947, 43.7704



70.9289, 88.3841, 70.7696



44.3081, 52.1709, 52.6726



10.5216, 11.8975, 11.4311



13.1838, 26.2859, 4.6466



0.6330, 1.2481, 0.2661

Inverse Universe

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



46.9085, 42.7255, 58.6002



79.7929, 70.2679, 101.4030



45.0430, 41.9793, 48.7768



11.0559, 10.8058, 13.2778



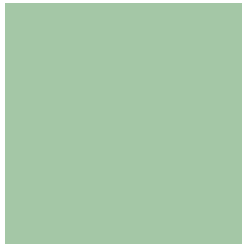
20.9675, 10.1365, 31.3682



1.0010, 0.4832, 1.5283

Previews

White Background



This preview shows how the XYZ color 42.6162, 51.4925, 43.7693 looks on a white background.

Color Contrast Check

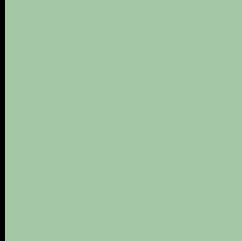
Large Text (above 18pt) WCAG AA × Fail

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 42.6162, 51.4925, 43.7693 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

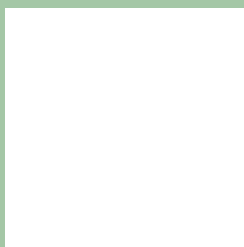
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.6162, 51.4925, 43.7693

Background



This preview shows how black text looks on a background with the XYZ color 42.6162, 51.4925, 43.7693.



This preview shows how white text looks on a background with the XYZ color 42.6162, 51.4925,

43.7693.

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

42.6162, 51.4925, 43.7693

Protanopia

48.1838, 51.1105, 41.0440

Deuteranopia

52.1192, 51.1786, 44.6676



Tritanopia

47.2497, 51.3519, 67.0961

Trichromacy



Original Color

42.6162, 51.4925, 43.7693

Protanomaly

45.9305, 51.2234, 42.1166

Deuteranomaly

48.0304, 50.9581, 44.3502

Tritanomaly

45.2892, 51.2053, 57.9487

Monochromacy



Original Color

42.6162, 51.4925, 43.7693

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

44.5808, 49.3884, 49.3027

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6162, 51.4925, 43.7693 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(164, 199, 166)` looks like.

```
.text, #text, p{  
    color:rgb(164, 199, 166)  
}
```

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(164, 199, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 199, 166) }
```

Border

The CSS property to change the border of an element to XYZ 42.6162, 51.4925, 43.7693 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(164, 199, 166) }
```


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

```
.border{ border-color:rgb(164, 199, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 199, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 199, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 199, 166);  
box-shadow:4px 4px 4px 4px rgb(164, 199,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6162, 51.4925, 43.7693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 199, 166) }
```

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

```
.background{ background-color: rgb(164,  
199, 166) }
```

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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