

Converting Colors

XYZ(36.8405, 43.2126, 62.3387)

Have a look what the booklet for
XYZ(36.8405, 43.2126, 62.3387)
contains.

XYZ(36.8544, 43.2124, 62.2755)	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(36.8544, 43.2124,
62.2755)**

Conversions

Conversions Part 1

Format	Color
Hex	81B8CA
RGB	129, 184, 202
RGB Percent	51%, 72%, 79%
CMY	0.4941, 0.2784, 0.2078
CMYK	0.36, 0.09, 0.00, 0.21
HSL	195°, 41%, 65%
HSV	195°, 36%, 79%
XYZ	36.8544, 43.2124, 62.2755
YIQ	169.6070, -38.5580, -6.0620

Conversions

Conversions Part 2

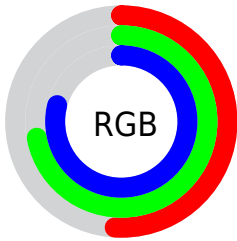
Format	Color
RYB	129, 160, 202
Decimal	8501450
CIELab	71.70, -13.41, -14.81
CIElCh	72, 19.979, 227.843
Yxy	43.2124, 0.2589, 0.3036
Android (android.graphics.Color)	4286691530 (0xFF81B8CA)
YUV	169.6070, 15.9697, -35.6123
Hunter-Lab	65.7361, -14.9638, -10.1534

Details

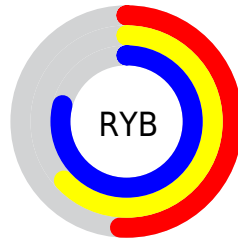
The XYZ color **36.8544, 43.2124, 62.2755** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.7539, 35.0094, 25.4848**, and the grayscale version is **37.9509, 39.9273, 43.4808**.

A 20% lighter version of the original color is **68.9773, 79.7305, 106.3618**, and **16.4421, 19.9072, 30.9929** is the 20% darker color. If you saturate the color by 10%, you get **33.0680, 39.7525, 61.8080**, and if you desaturate by 10%, it is **41.2864, 47.0612, 62.7856**.

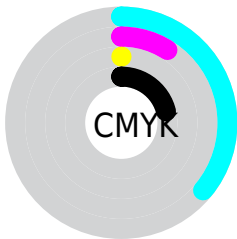
Distribution



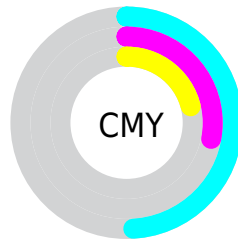
- Red (51%)
- Green (72%)
- Blue (79%)



- Red (51%)
- Yellow (63%)
- Blue (79%)



- Cyan (36%)
- Magenta (9%)
- Yellow (0%)
- Black (21%)



- Cyan (49%)
- Magenta (28%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8544, 43.2124, 62.2755 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 36.8544, 43.2124, 62.2755 by changing the saturation by 10% instead.

■ 36.8544, 43.2124,
62.2755

■ 36.8544, 43.2124,
62.2755

324.0462,
359.4845, 450.9707

■ 25.2679, 30.0518,
44.8181

■ 69.6641, 80.0313,
109.6991

■ 16.4066, 19.8779,
30.9723

■ 91.6180, 104.4584,
140.5023

■ 9.9050, 12.3063,
20.3195

■ 117.7585,
133.4097, 176.5913

■ 5.3978, 6.9527,
12.4411

148.4508,
167.2697, 218.3845

■ 2.5196, 3.4325,
6.9187

184.0604,
206.4228, 266.3005

■ 0.9052, 1.3615,
3.3336

224.9526,

■ 0.0000, 0.1881,

251.2534, 320.7579

1.2674

271.4928,
302.1458, 382.1751

■ 0.0000, 0.0000,
0.0348

■ 0.0000, 0.0000,
0.0000

■ 36.8544, 43.2124,
62.2755

■ 36.8544, 43.2124,
62.2755

■ 33.0680, 39.7525,
61.8080

■ 41.2864, 47.0612,
62.7856

■ 29.8869, 36.6572,
61.3782

■ 46.3934, 51.3116,
63.3368

■ 27.2725, 33.9070,
60.9851

■ 52.2077, 55.9818,
63.9318

■ 25.1795, 31.4779,
60.6266

■ 58.7582, 61.0871,
64.5720

■ 23.5554, 29.3425,
60.3000

■ 66.0723, 66.6423,
65.2587

■ 22.3341, 27.4660,
60.0022

■ 74.1758, 72.6612,
65.9934

■ 21.9212, 26.7850,
59.8925

■ 77.1973, 76.1174,
66.5012

■ 78.5151, 78.7530,
66.9405

■ 79.8722, 81.4670,
67.3928

Harmonies

Analogous

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



35.1796, 43.2124, 53.0002



36.8544, 43.2124, 62.2755



39.7158, 43.2124, 67.7402

Triad

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



36.8544, 43.2124, 62.2755



47.7730, 43.2124, 51.0891



39.1088, 43.2124, 31.4365

Complementary

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



36.8544, 43.2124, 62.2755



38.7539, 35.0094, 25.4848

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.



42.4589, 43.2124, 31.0720



36.8544, 43.2124, 62.2755



47.5884, 43.2124, 41.5645

Square

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



36.8544, 43.2124, 62.2755



46.0914, 43.2124, 60.7119



45.5999, 43.2124, 34.5350



36.4311, 43.2124, 35.6103

Rectangle

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



36.8544, 43.2124, 62.2755



41.9671, 43.2124, 68.0515



45.5999, 43.2124, 34.5350



40.1898, 43.2124, 30.8874

Sweetspot

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



36.8557, 43.2141, 62.2765



83.3061, 90.7294, 107.7296



35.3656, 48.9854, 34.7999



17.5439, 19.1887, 23.0291



0.0000, 0.0000, 0.0000



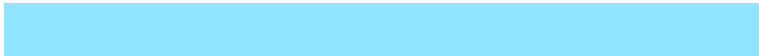
20.3446, 21.4041, 23.3091

Same Dimension

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



36.8557, 43.2141, 62.2765



57.5228, 68.7396, 104.8440



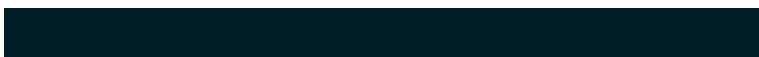
30.3782, 30.2590, 60.1173



11.2999, 12.2402, 14.3374



14.1790, 17.3820, 38.5640



0.7889, 1.0115, 2.0086

Inverse Universe

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



40.8602, 31.7188, 49.3181



65.4178, 47.2175, 79.0399



45.1578, 47.8172, 27.6195



11.5647, 11.3546, 13.5085



19.3678, 9.5577, 20.1873



1.0281, 0.5047, 1.1939

Previews

White Background



This preview shows how the XYZ color 36.8544, 43.2124, 62.2755 looks on a white background.

Color Contrast Check

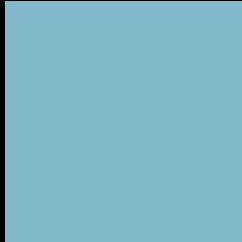
Large Text (above 18pt) WCAG AA × Fail

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 36.8544, 43.2124, 62.2755 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 36.8544, 43.2124, 62.2755

Background



This preview shows how black text looks on a background with the XYZ color 36.8544, 43.2124, 62.2755.



This preview shows how white text looks on a background with the XYZ color 36.8544, 43.2124,

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

36.8544, 43.2124, 62.2755

Protanopia

41.9996, 42.9829, 57.7127

Deuteranopia

43.9425, 42.9986, 63.7411



Tritanopia

36.3514, 42.9937, 60.4155

Trichromacy



Original Color

36.8544, 43.2124, 62.2755

Protanomaly

39.8237, 42.9859, 59.6243

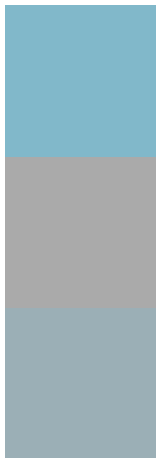
Deuteranomaly

40.9216, 42.8839, 63.2474

Tritanomaly

36.4679, 43.0403, 61.0291

Monochromacy



Original Color

36.8544, 43.2124, 62.2755

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.2910, 41.0059, 50.2055

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8544, 43.2124, 62.2755 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(129, 184, 202)` looks like.

```
.text, #text, p{  
    color:rgb(129, 184, 202)  
}
```

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(129, 184, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 184, 202) }
```

Border

The CSS property to change the border of an element to XYZ 36.8544, 43.2124, 62.2755 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(129, 184, 202) }
```


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

```
.border{ border-color:rgb(129, 184, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 184, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 184, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 184, 202);  
box-shadow:4px 4px 4px 4px rgb(129, 184,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8544, 43.2124, 62.2755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 184, 202) }
```

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

```
.background{ background-color: rgb(129,  
184, 202) }
```

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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