

Converting Colors

XYZ(53.3369, 66.7561, 52.2756)

Have a look what the booklet for
XYZ(53.3369, 66.7561, 52.2756)
contains.

XYZ(53.3637, 66.9542, 52.2304)	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(53.3637, 66.9542,
52.2304)**

Conversions

Conversions Part 1

Format	Color
Hex	B1E2B2
RGB	177, 226, 178
RGB Percent	69%, 89%, 70%
CMY	0.3059, 0.1137, 0.3020
CMYK	0.22, 0.00, 0.21, 0.11
HSL	121°, 46%, 79%
HSV	121°, 22%, 89%
XYZ	53.3637, 66.9542, 52.2304
YIQ	205.8770, -13.7960, -25.3160

Conversions

Conversions Part 2

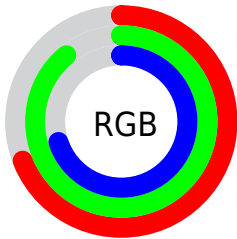
Format	Color
RYB	177, 225, 226
Decimal	11657906
CIELab	85.48, -24.93, 18.41
CIELCh	85, 30.992, 143.567
Yxy	66.9542, 0.3093, 0.3880
Android (android.graphics.Color)	4289847986 (0xFFB1E2B2)
YUV	205.8770, -13.7434, -25.3251
Hunter-Lab	81.8255, -26.7834, 19.4322

Details

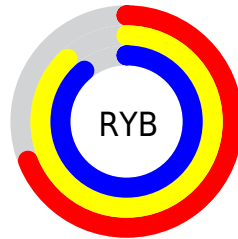
The XYZ color **53.3637, 66.9542, 52.2304** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **60.6791, 53.0507, 78.2787**, and the grayscale version is **58.6805, 61.7364, 67.2310**.

A 20% lighter version of the original color is **84.2156, 94.7842, 91.6984**, and **26.2448, 34.4411, 24.6666** is the 20% darker color. If you saturate the color by 10%, you get **46.5897, 63.7004, 41.2316**, and if you desaturate by 10%, it is **61.3526, 70.7967, 65.1614**.

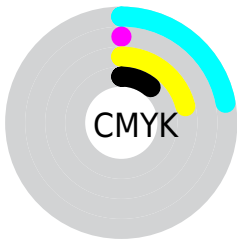
Distribution



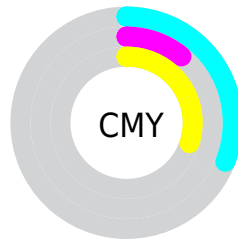
- Red (69%)
- Green (89%)
- Blue (70%)



- Red (69%)
- Yellow (88%)
- Blue (89%)



- Cyan (22%)
- Magenta (0%)
- Yellow (21%)
- Black (11%)



- Cyan (31%)
- Magenta (11%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.3637, 66.9542, 52.2304 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 53.3637, 66.9542, 52.2304 by changing the saturation by 10% instead.

■ 53.3637, 66.9542,
52.2304

■ 53.3637, 66.9542,
52.2304

389.9170,
449.7817, 412.3077

■ 38.3218, 49.0474,
36.8052

■ 94.3017, 114.8548,
94.9010

■ 26.4109, 34.6571,
24.7621

120.9286,
145.6174, 122.9835

■ 17.2656, 23.3988,
15.6825

152.1478,
181.4340, 156.1222

■ 10.5205, 14.8883,
9.1479

188.3248,
222.6891, 194.7357

■ 5.8103, 8.7410,
4.7396

229.8248,
269.7670, 239.2424

■ 2.7696, 4.5726,
2.0393

277.0133,

■ 1.0331, 1.9988,

323.0521, 290.0609

0.5793

330.2556,
382.9289, 347.6099

■ 0.0000, 0.6068,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 53.3637, 66.9542,
52.2304

■ 53.3637, 66.9542,
52.2304

■ 46.5897, 63.7004,
41.2316

■ 61.3526, 70.7967,
65.1614

■ 40.9660, 60.9983,
32.0683

■ 70.6062, 75.2458,
80.1065

■ 36.4305, 58.8199,
24.6418

■ 81.1778, 80.3295,
97.1482

■ 32.9128, 57.1312,
18.8425

■ 86.4877, 82.8754,
106.0459

■ 30.3343, 55.8943,
14.5486

■ 28.6050, 55.0658,
11.6208

■ 27.6173, 54.5938,
9.8943

■ 27.2230, 54.4055,
9.1991

Harmonies

Analogous

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



58.3815, 66.9542, 42.8466



53.3637, 66.9542, 52.2304



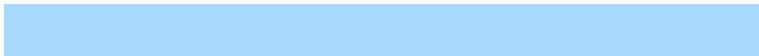
51.1207, 66.9542, 68.6468

Triad

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



53.3637, 66.9542, 52.2304



62.1344, 66.9542, 118.5703



76.8590, 66.9542, 58.4841

Complementary

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



53.3637, 66.9542, 52.2304



60.6791, 53.0507, 78.2787

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.



78.0480, 66.9542, 77.3290



53.3637, 66.9542, 52.2304



69.2008, 66.9542, 114.4869

Square

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



53.3637, 66.9542, 52.2304



55.9380, 66.9542, 108.7221



75.1529, 66.9542, 98.4134



72.0140, 66.9542, 45.9648

Rectangle

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



53.3637, 66.9542, 52.2304



51.3736, 66.9542, 82.3720



75.1529, 66.9542, 98.4134



77.7136, 66.9542, 64.1867

Sweetspot

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



53.3655, 66.9570, 52.2319



86.0965, 95.6949, 94.4487



66.2436, 73.6075, 52.3118



18.2715, 20.4073, 19.9627



0.0000, 0.0000, 0.0000



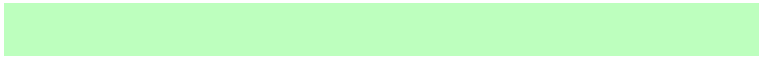
20.3446, 21.4041, 23.3091

Same Dimension

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



53.3655, 66.9570, 52.2319



65.9721, 86.0206, 61.8728



56.0280, 68.0220, 66.2524



13.5401, 15.3418, 14.6133



15.5352, 31.0389, 5.2755



1.0809, 2.1531, 0.3870

Inverse Universe

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



60.6791, 53.0507, 78.2787



77.2058, 64.6593, 101.8802



57.5937, 51.8166, 62.0311



14.2823, 13.9306, 17.2568



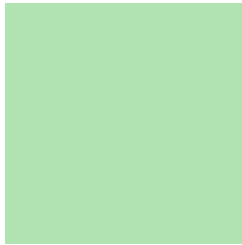
25.3739, 12.2165, 40.2300



1.7627, 0.8483, 2.8091

Previews

White Background



This preview shows how the XYZ color 53.3637, 66.9542, 52.2304 looks on a white background.

Color Contrast Check

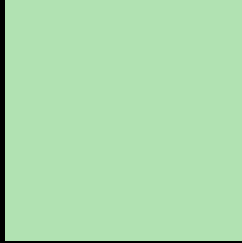
Large Text (above 18pt) WCAG AA × Fail

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 53.3637, 66.9542, 52.2304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

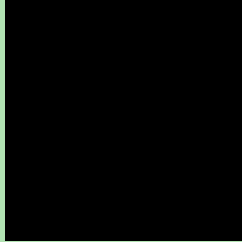
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.3637, 66.9542, 52.2304

Background



This preview shows how black text looks on a background with the XYZ color 53.3637, 66.9542, 52.2304.



This preview shows how white text looks on a background with the XYZ color 53.3637, 66.9542,

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

53.3637, 66.9542, 52.2304

Protanopia

62.6047, 66.7358, 48.6114

Deuteranopia

67.5830, 66.2731, 53.4860



Tritanopia

60.7052, 66.7637, 89.0441

Trichromacy



Original Color

53.3637, 66.9542, 52.2304



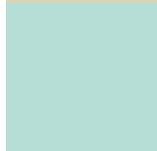
Protanomaly

58.7238, 66.6087, 49.8061



Deuteranomaly

61.6499, 66.1403, 53.2331



Tritanomaly

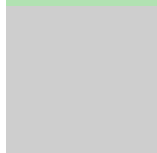
57.6506, 66.6865, 74.1232

Monochromacy



Original Color

53.3637, 66.9542, 52.2304



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

56.2637, 63.1761, 61.4533

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.3637, 66.9542, 52.2304 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(177, 226, 178)` looks like.

```
.text, #text, p{  
    color:rgb(177, 226, 178)  
}
```

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(177, 226, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 226, 178) }
```

Border

The CSS property to change the border of an element to XYZ 53.3637, 66.9542, 52.2304 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(177, 226, 178) }
```


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

```
.border{ border-color:rgb(177, 226, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 226, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 226, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 226, 178);  
box-shadow:4px 4px 4px 4px rgb(177, 226,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 53.3637, 66.9542, 52.2304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 226, 178) }
```

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

```
.background{ background-color: rgb(177,  
226, 178) }
```

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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