

Converting Colors

XYZ(47.2851, 63.1625, 51.4274)

Have a look what the booklet for
XYZ(47.2851, 63.1625, 51.4274)
contains.

XYZ(47.1691, 62.9697, 51.2633)	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(47.1691, 62.9697,
51.2633)**

Conversions

Conversions Part 1

Format	Color
Hex	96E0B1
RGB	150, 224, 177
RGB Percent	59%, 88%, 69%
CMY	0.4118, 0.1216, 0.3059
CMYK	0.33, 0.00, 0.21, 0.12
HSL	142°, 54%, 73%
HSV	142°, 33%, 88%
XYZ	47.1691, 62.9697, 51.2633
YIQ	196.5160, -29.0170, -30.3050

Conversions

Conversions Part 2

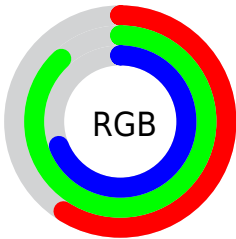
Format	Color
RYB	150, 204, 224
Decimal	9887921
CIELab	83.43, -32.70, 15.84
CIELCh	83, 36.334, 154.161
Yxy	62.9697, 0.2922, 0.3901
Android (android.graphics.Color)	4288078001 (0xFF96E0B1)
YUV	196.5160, -9.6214, -40.7945
Hunter-Lab	79.3534, -32.7650, 17.2453

Details

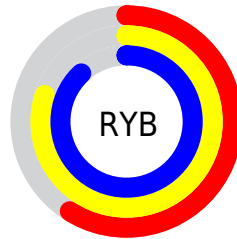
The XYZ color **47.1691, 62.9697, 51.2633** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **51.7269, 41.6925, 58.1468**, and the grayscale version is **52.8492, 55.6015, 60.5500**.

A 20% lighter version of the original color is **75.9216, 90.5250, 90.5624**, and **22.4646, 31.9473, 24.0512** is the 20% darker color. If you saturate the color by 10%, you get **42.0897, 60.5083, 44.0054**, and if you desaturate by 10%, it is **53.1877, 65.9016, 59.3397**.

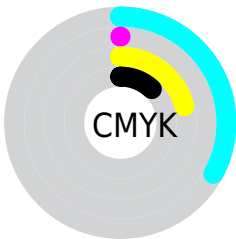
Distribution



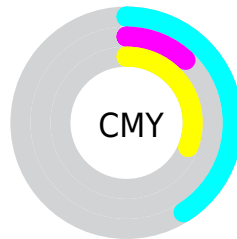
- Red (59%)
- Green (88%)
- Blue (69%)



- Red (59%)
- Yellow (80%)
- Blue (88%)



- Cyan (33%)
- Magenta (0%)
- Yellow (21%)
- Black (12%)





- Cyan (41%)
- Magenta (12%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1691, 62.9697, 51.2633 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 47.1691, 62.9697, 51.2633 by changing the saturation by 10% instead.


 47.1691, 62.9697,
51.2633


 47.1691, 62.9697,
51.2633


366.1268,
435.4595, 408.4616

 33.3779, 45.8167,
36.0400


 85.1832, 109.1258,
93.4593

 22.5767, 32.1012,
24.1752


 110.1367,
138.8977, 121.2692

 14.4002, 21.4388,
15.2502


139.5418,
173.6446, 154.1116

 8.4831, 13.4451,
8.8466

173.7637,
213.7511, 192.4052

 4.4600, 7.7358,
4.5458

213.1678,
259.6014, 236.5684

 1.9655, 3.9263,
1.9293

258.1194,

 0.6145, 1.6324,

311.5800, 287.0199

0.5113

308.9839,
370.0712, 344.1781

■ 0.0000, 0.3793,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.1691, 62.9697,
51.2633

■ 47.1691, 62.9697,
51.2633

■ 42.0897, 60.5083,
44.0054

■ 53.1877, 65.9016,
59.3397

■ 37.8949, 58.4846,
37.5359

■ 60.1862, 69.3194,
68.2550

■ 34.5319, 56.8738,
31.8290

■ 68.2089, 73.2471,
78.0343

■ 31.9403, 55.6452,
26.8558

■ 77.2961, 77.7051,
88.7001

■ 30.0507, 54.7636,
22.5854

■ 84.8618, 81.3597,
100.1516

■ 28.7797, 54.1868,
18.9845

■ 85.9469, 81.7938,
105.8656

■ 28.1696, 53.9189,
16.8516

Harmonies

Analogous

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



51.7036, 62.9697, 38.4460



47.1691, 62.9697, 51.2633



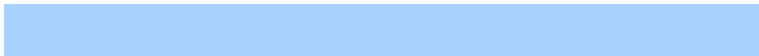
45.9161, 62.9697, 71.7753

Triad

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



47.1691, 62.9697, 51.2633



60.9621, 62.9697, 121.8836



73.3512, 62.9697, 46.8813

Complementary

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



47.1691, 62.9697, 51.2633



51.7269, 41.6925, 58.1468

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.



76.3531, 62.9697, 65.4486



47.1691, 62.9697, 51.2633



68.8118, 62.9697, 111.3341

Square

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



47.1691, 62.9697, 51.2633



53.4583, 62.9697, 115.7614



74.6233, 62.9697, 89.3739



66.7337, 62.9697, 36.3350

Rectangle

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



47.1691, 62.9697, 51.2633



47.0085, 62.9697, 87.9997



74.6233, 62.9697, 89.3739



74.8419, 62.9697, 52.2228

Sweetspot

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



47.1708, 62.9723, 51.2647



83.7839, 94.4808, 95.3303



55.4780, 67.5356, 38.9664



17.6188, 20.0689, 20.0169



0.0000, 0.0000, 0.0000



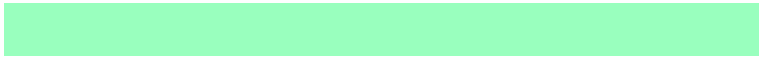
20.3446, 21.4041, 23.3091

Same Dimension

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



47.1708, 62.9723, 51.2647



58.2147, 82.0194, 61.6019



51.2328, 64.5971, 72.6552



13.7344, 15.4195, 15.6369



16.4466, 31.4035, 10.0746



1.1820, 2.1935, 0.9196

Inverse Universe

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



51.7269, 41.6925, 58.1468



65.2579, 49.0931, 72.2183



48.0904, 40.2379, 38.9973



14.0717, 13.8463, 16.1480



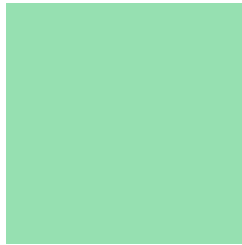
20.8041, 10.3886, 16.1660



1.4846, 0.7371, 1.3447

Previews

White Background



This preview shows how the XYZ color 47.1691, 62.9697, 51.2633 looks on a white background.

Color Contrast Check

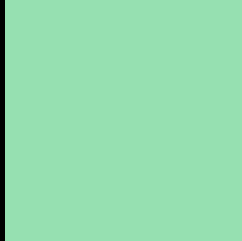
Large Text (above 18pt) WCAG AA × Fail

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 47.1691, 62.9697, 51.2633 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 47.1691, 62.9697, 51.2633

Background



This preview shows how black text looks on a background with the XYZ color 47.1691, 62.9697, 51.2633.

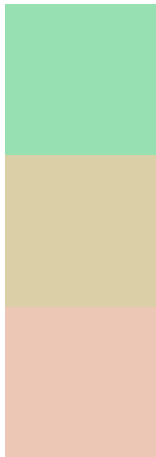


This preview shows how white text looks on a background with the XYZ color 47.1691, 62.9697,

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

47.1691, 62.9697, 51.2633

Protanopia

58.5941, 62.5129, 46.0237

Deuteranopia

63.4590, 62.0571, 52.8895



Tritanopia

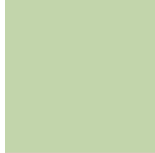
54.3074, 62.7336, 87.0884

Trichromacy



Original Color

47.1691, 62.9697, 51.2633



Protanomaly

53.3931, 61.9981, 47.6808



Deuteranomaly

55.9709, 61.3862, 52.0787



Tritanomaly

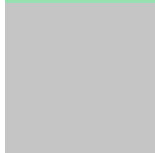
51.4423, 62.7362, 72.3488

Monochromacy



Original Color

47.1691, 62.9697, 51.2633



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

50.4295, 58.0467, 57.2614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1691, 62.9697, 51.2633 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(150, 224, 177)` looks like.

```
.text, #text, p{  
    color:rgb(150, 224, 177)  
}
```

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(150, 224, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 224, 177) }
```

Border

The CSS property to change the border of an element to XYZ 47.1691, 62.9697, 51.2633 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(150, 224, 177) }
```


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

```
.border{ border-color:rgb(150, 224, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 224, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 224, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 224, 177);  
box-shadow:4px 4px 4px 4px rgb(150, 224,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1691, 62.9697, 51.2633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 224, 177) }
```

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

```
.background{ background-color: rgb(150,  
224, 177) }
```

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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