

Converting Colors

XYZ(47.6875, 68.4245, 61.3132)

Have a look what the booklet for
XYZ(47.6875, 68.4245, 61.3132)
contains.

XYZ(47.6556, 68.4117, 61.1451)	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(47.6556, 68.4117,
61.1451)**

Conversions

Conversions Part 1

Format	Color
Hex	78EDC1
RGB	120, 237, 193
RGB Percent	47%, 93%, 76%
CMY	0.5294, 0.0706, 0.2431
CMYK	0.49, 0.00, 0.19, 0.07
HSL	157°, 76%, 70%
HSV	157°, 49%, 93%
XYZ	47.6556, 68.4117, 61.1451
YIQ	197.0010, -55.6080, -38.4880

Conversions

Conversions Part 2

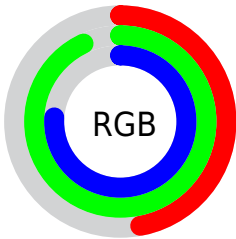
Format	Color
RYB	120, 192, 237
Decimal	7925185
CIELab	86.21, -43.35, 11.22
CIELCh	86, 44.780, 165.486
Yxy	68.4117, 0.2689, 0.3860
Android (android.graphics.Color)	4286115265 (0xFF78EDC1)
YUV	197.0010, -1.9725, -67.5299
Hunter-Lab	82.7114, -41.8990, 14.0673

Details

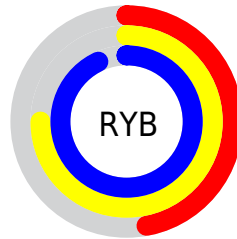
The XYZ color **47.6556, 68.4117, 61.1451** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.3447, 34.1196, 39.1625**, and the grayscale version is **53.1087, 55.8745, 60.8474**.

A 20% lighter version of the original color is **71.2190, 87.8245, 102.8207**, and **22.7851, 35.4364, 30.0651** is the 20% darker color. If you saturate the color by 10%, you get **43.8022, 66.5385, 55.9306**, and if you desaturate by 10%, it is **52.3860, 70.7337, 66.7165**.

Distribution



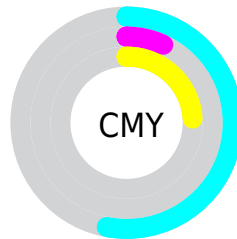
- Red (47%)
- Green (93%)
- Blue (76%)



- Red (47%)
- Yellow (75%)
- Blue (93%)



- Cyan (49%)
- Magenta (0%)
- Yellow (19%)
- Black (7%)





- Cyan (53%)
- Magenta (7%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6556, 68.4117, 61.1451 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 47.6556, 68.4117, 61.1451 by changing the saturation by 10% instead.


 47.6556, 68.4117,
61.1451


 47.6556, 68.4117,
61.1451


368.0307,
454.9533, 446.7271


 33.7643, 50.2327,
43.9110


 85.9042, 116.9409,
108.0486

 22.8747, 35.5984,
30.2638


 110.9923,
148.0600, 138.5550

 14.6212, 24.1242,
19.7852


 140.5433,
184.2612, 174.3226

 8.6385, 15.4258,
12.0565

174.9227,
225.9289, 215.7699

 4.5614, 9.1187,
6.6591

214.4958,
273.4476, 263.3155

 2.0244, 4.8187,
3.1747

259.6279,

 0.6476, 2.1413,

327.2017, 317.3778

1.1845

310.6844,
387.5754, 378.3755

0.0000, 0.6877,
0.0000

0.0000, 0.0000,
0.0000

47.6556, 68.4117,
61.1451

47.6556, 68.4117,
61.1451

43.8022, 66.5385,
55.9306

52.3860, 70.7337,
66.7165

40.7581, 65.0738,
51.0600


58.0437, 73.5250,
72.6480


38.4543, 63.9841,
46.5258


64.6818, 76.8144,
78.9488

36.8069, 63.2263,
42.3184


72.3474, 80.6263,
85.6261

 35.6840, 62.7324,
38.4256

 81.0847, 84.9833,
92.6870

 35.6204, 62.7048,
38.1889

 88.2341, 88.5143,
100.0119

 89.5754, 89.0508,
107.0751

Harmonies

Analogous

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



51.8849, 68.4117, 41.3498



47.6556, 68.4117, 61.1451



47.7264, 68.4117, 90.7023

Triad

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



47.6556, 68.4117, 61.1451



70.4622, 68.4117, 143.7046



79.9377, 68.4117, 40.8912

Complementary

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



47.6556, 68.4117, 61.1451



48.3447, 34.1196, 39.1625

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.



86.0633, 68.4117, 60.3325



47.6556, 68.4117, 61.1451



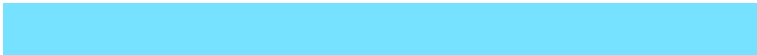
80.2111, 68.4117, 121.8115

Square

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



47.6556, 68.4117, 61.1451



60.1799, 68.4117, 144.0915



86.1683, 68.4117, 89.6448



70.1198, 68.4117, 31.9312

Rectangle

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



47.6556, 68.4117, 61.1451



50.1782, 68.4117, 112.5534



86.1683, 68.4117, 89.6448



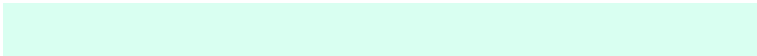
82.5406, 68.4117, 46.1488

Sweetspot

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



47.6575, 68.4144, 61.1467



80.1207, 92.5613, 96.5610



49.1624, 69.9106, 28.6734



16.7490, 19.6131, 20.3144



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.



47.6575, 68.4144, 61.1467



51.7743, 78.5926, 66.1202



49.5153, 63.0728, 89.6885



15.2635, 17.0202, 18.0707



19.5124, 34.2594, 21.1952



1.5786, 2.7088, 1.9088

Inverse Universe

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



48.3447, 34.1196, 39.1625



52.6905, 33.8496, 37.5359



46.7941, 36.3160, 22.3139



15.2998, 15.1478, 16.8640



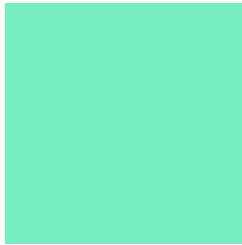
20.1139, 10.2483, 6.4013



1.6248, 0.8229, 0.7415

Previews

White Background



This preview shows how the XYZ color 47.6556, 68.4117, 61.1451 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 47.6556, 68.4117, 61.1451 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 47.6556, 68.4117, 61.1451

Background



This preview shows how black text looks on a background with the XYZ color 47.6556, 68.4117, 61.1451.

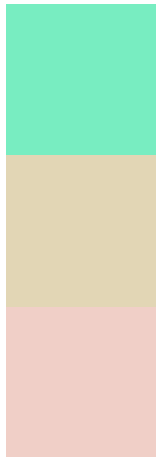


This preview shows how white text looks on a background with the XYZ color 47.6556, 68.4117,

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

47.6556, 68.4117, 61.1451

Protanopia

63.7511, 67.5981, 53.4038

Deuteranopia

68.5568, 67.2744, 63.4048



Tritanopia

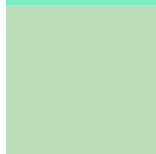
55.1159, 68.0502, 99.0370

Trichromacy



Original Color

47.6556, 68.4117, 61.1451



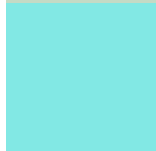
Protanomaly

55.3717, 66.3101, 55.7797



Deuteranomaly

57.9144, 65.9098, 62.4928



Tritanomaly

52.0661, 68.0605, 83.7916

Monochromacy



Original Color

47.6556, 68.4117, 61.1451



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

49.8695, 59.5075, 61.0822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6556, 68.4117, 61.1451 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(120, 237, 193)` looks like.

```
.text, #text, p{  
    color:rgb(120, 237, 193)  
}
```

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(120, 237, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 237, 193) }
```

Border

The CSS property to change the border of an element to XYZ 47.6556, 68.4117, 61.1451 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(120, 237, 193) }
```


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

```
.border{ border-color:rgb(120, 237, 193) }
```

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

Here you see how a box with a 4 pixel rgb(120, 237, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 237, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 237, 193);  
box-shadow:4px 4px 4px 4px rgb(120, 237,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6556, 68.4117, 61.1451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 237, 193) }
```

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

```
.background{ background-color: rgb(120,  
237, 193) }
```

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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