

Converting Colors

XYZ(42.6928, 62.9779, 47.6061)

Have a look what the booklet for
XYZ(42.6928, 62.9779, 47.6061)
contains.

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Color

**XYZ(42.7944, 63.2401,
47.4872)**

Conversions

Conversions Part 1

Format	Color
Hex	75E6A9
RGB	117, 230, 169
RGB Percent	46%, 90%, 66%
CMY	0.5412, 0.0980, 0.3372
CMYK	0.49, 0.00, 0.27, 0.10
HSL	148°, 69%, 68%
HSV	148°, 49%, 90%
XYZ	42.7944, 63.2401, 47.4872
YIQ	189.2590, -47.7670, -42.9270

Conversions

Conversions Part 2

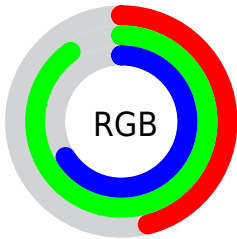
Format	Color
RYB	117, 194, 230
Decimal	7726761
CIELab	83.57, -45.95, 20.00
CIElCh	84, 50.114, 156.480
Yxy	63.2401, 0.2788, 0.4119
Android (android.graphics.Color)	4285916841 (0xFF75E6A9)
YUV	189.2590, -9.9877, -63.3711
Hunter-Lab	79.5236, -43.1094, 20.2618

Details

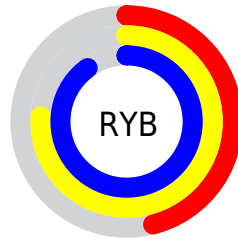
The XYZ color **42.7944, 63.2401, 47.4872** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **47.0324, 32.7614, 45.9667**, and the grayscale version is **48.5945, 51.1252, 55.6753**.

A 20% lighter version of the original color is **66.8937, 86.0158, 83.5980**, and **20.0343, 32.4263, 22.0326** is the 20% darker color. If you saturate the color by 10%, you get **38.9648, 61.3959, 41.5101**, and if you desaturate by 10%, it is **47.4972, 65.5251, 54.0858**.

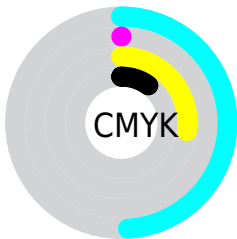
Distribution



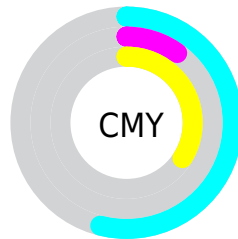
- Red (46%)
- Green (90%)
- Blue (66%)



- Red (46%)
- Yellow (76%)
- Blue (90%)



- Cyan (49%)
- Magenta (0%)
- Yellow (27%)
- Black (10%)




- Cyan (54%)
- Magenta (10%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7944, 63.2401, 47.4872 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 42.7944, 63.2401, 47.4872 by changing the saturation by 10% instead.


 42.7944, 63.2401,
47.4872


 42.7944, 63.2401,
47.4872


348.7014,
436.4403, 393.2058


 29.9177, 46.0355,
33.0639


 78.6582, 109.5158,
87.7980

 19.9239, 32.2738,
21.9039


 102.3759,
139.3557, 114.5225

 12.4476, 21.5707,
13.5886


 130.4380,
174.1762, 146.1845

 7.1237, 13.5418,
7.6996

163.2098,
214.3615, 183.2026

 3.5866, 7.8027,
3.8184

201.0567,
260.2962, 225.9952

 1.4710, 3.9690,
1.5262

244.3440,

 0.3060, 1.6562,

312.3647, 274.9809

0.2374

293.4371,
370.9513, 330.5783

■ 0.0000, 0.3951,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.7944, 63.2401,
47.4872

■ 42.7944, 63.2401,
47.4872

■ 38.9648, 61.3959,
41.5101

■ 47.4972, 65.5251,
54.0858

■ 35.9436, 59.9544,
36.1314


■ 53.1220, 68.2705,
61.3195


■ 33.6649, 58.8835,
31.3326


■ 59.7198, 71.5040,
69.2068


■ 32.0489, 58.1426,
27.0924


■ 67.3362, 75.2489,
77.7642

 30.9726, 57.6687,
23.3866

 76.0139, 79.5268,
87.0075

 30.8912, 57.6332,
23.0883

 85.7913, 84.3573,
96.9518

 87.5880, 85.0759,
106.4127

Harmonies

Analogous

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



48.4381, 63.2401, 30.8608



42.7944, 63.2401, 47.4872



41.5197, 63.2401, 75.8899

Triad

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



42.7944, 63.2401, 47.4872



62.5156, 63.2401, 147.8355



78.6776, 63.2401, 38.8676

Complementary

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



42.7944, 63.2401, 47.4872



47.0324, 32.7614, 45.9667

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.



83.5507, 63.2401, 62.2739



42.7944, 63.2401, 47.4872



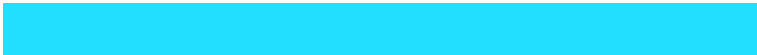
73.5157, 63.2401, 129.6170

Square

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



42.7944, 63.2401, 47.4872



52.0904, 63.2401, 140.2716



81.5555, 63.2401, 95.8353



68.9083, 63.2401, 27.0443

Rectangle

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



42.7944, 63.2401, 47.4872



43.1619, 63.2401, 99.3976



81.5555, 63.2401, 95.8353



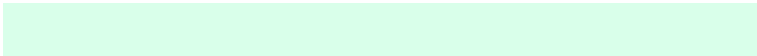
80.9934, 63.2401, 45.3175

Sweetspot

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



42.7961, 63.2427, 47.4886



79.2028, 92.1942, 91.7276



50.1349, 67.4824, 27.2135



16.5280, 19.5247, 19.1506



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.



42.7961, 63.2427, 47.4886



49.1517, 77.5436, 52.3099



49.1371, 65.7791, 80.8799



14.4638, 16.1990, 16.7072



17.5484, 32.6515, 13.3880



1.3432, 2.4314, 1.2340

Inverse Universe

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



47.0324, 32.7614, 45.9667



55.0841, 34.8070, 50.1403



42.5495, 30.9683, 22.3600



14.7007, 14.4975, 16.6244



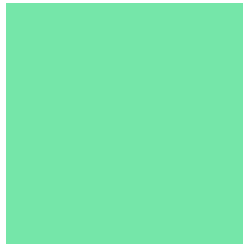
20.6030, 10.3754, 12.0703



1.5693, 0.7854, 1.1383

Previews

White Background



This preview shows how the XYZ color 42.7944, 63.2401, 47.4872 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 42.7944, 63.2401, 47.4872 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

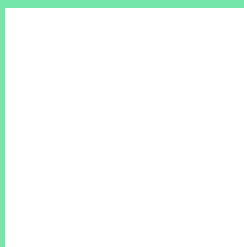
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.7944, 63.2401, 47.4872

Background



This preview shows how black text looks on a background with the XYZ color 42.7944, 63.2401, 47.4872.

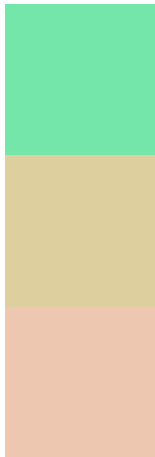


This preview shows how white text looks on a background with the XYZ color 42.7944, 63.2401,

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

42.7944, 63.2401, 47.4872

Protanopia

58.3032, 62.4664, 41.3321

Deuteranopia

63.5198, 62.1586, 49.7242



Tritanopia

51.4281, 63.0958, 91.1295

Trichromacy



Original Color

42.7944, 63.2401, 47.4872



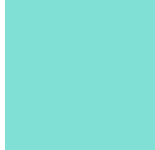
Protanomaly

50.3505, 61.2768, 43.3563



Deuteranomaly

52.8376, 60.5797, 48.4434



Tritanomaly

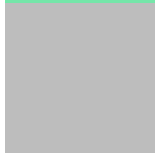
47.6953, 62.7555, 73.2176

Monochromacy



Original Color

42.7944, 63.2401, 47.4872



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

45.1406, 54.3497, 52.3673

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7944, 63.2401, 47.4872 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(117, 230, 169)` looks like.

```
.text, #text, p{  
    color:rgb(117, 230, 169)  
}
```

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(117, 230, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 230, 169) }
```

Border

The CSS property to change the border of an element to XYZ 42.7944, 63.2401, 47.4872 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(117, 230, 169) }
```


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

```
.border{ border-color:rgb(117, 230, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 230, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 230, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 230, 169); box-shadow:4px 4px 4px 4px rgb(117, 230, 169) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7944, 63.2401, 47.4872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 230, 169) }
```

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

```
.background{ background-color: rgb(117,  
230, 169) }
```

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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