

Converting Colors

XYZ(32.4759, 46.2139, 43.4704)

Have a look what the booklet for
XYZ(32.4759, 46.2139, 43.4704)
contains.

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Color

**XYZ(32.4519, 46.2527,
43.2937)**

Conversions

Conversions Part 1

Format	Color
Hex	63C7A6
RGB	99, 199, 166
RGB Percent	39%, 78%, 65%
CMY	0.6118, 0.2196, 0.3490
CMYK	0.50, 0.00, 0.17, 0.22
HSL	160°, 47%, 58%
HSV	160°, 50%, 78%
XYZ	32.4519, 46.2527, 43.2937
YIQ	165.3380, -49.0070, -31.4630

Conversions

Conversions Part 2

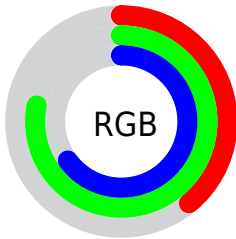
Format	Color
RYB	99, 159, 199
Decimal	6539174
CIELab	73.71, -37.21, 7.60
CIElCh	74, 37.981, 168.453
Yxy	46.2527, 0.2660, 0.3791
Android (android.graphics.Color)	4284729254 (0xFF63C7A6)
YUV	165.3380, 0.3264, -58.1784
Hunter-Lab	68.0093, -33.8418, 9.8634

Details

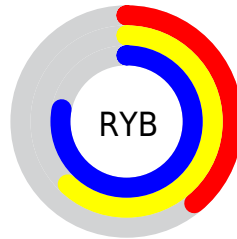
The XYZ color **32.4519, 46.2527, 43.2937** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **32.1813, 22.7328, 24.5230**, and the grayscale version is **35.9428, 37.8146, 41.1801**.

A 20% lighter version of the original color is **62.5214, 83.8084, 81.2880**, and **13.8099, 21.5735, 19.3558** is the 20% darker color. If you saturate the color by 10%, you get **29.9530, 45.0335, 40.1125**, and if you desaturate by 10%, it is **35.5198, 47.7641, 46.6642**.

Distribution



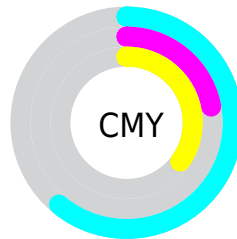
- Red (39%)
- Green (78%)
- Blue (65%)



- Red (39%)
- Yellow (62%)
- Blue (78%)



- Cyan (50%)
- Magenta (0%)
- Yellow (17%)
- Black (22%)





- Cyan (61%)
- Magenta (22%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.4519, 46.2527, 43.2937 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 32.4519, 46.2527, 43.2937 by changing the saturation by 10% instead.


 32.4519, 46.2527,
43.2937


 32.4519, 46.2527,
43.2937


304.8815,
371.8237, 375.7749


 21.8641, 32.4453,
29.7825


 62.8793, 84.5971,
81.4450


 13.8731, 21.7018,
19.4229

 83.4496, 109.9028,
106.9222

 8.1136, 13.6380,
11.7964

 108.0781,
139.8101, 137.2251

 4.2201, 7.8693,
6.4843

 137.1302,
174.7033, 172.7723

 1.8274, 4.0114,
3.0682

170.9713,
214.9669, 213.9824

 0.5341, 1.6800,
1.1296

209.9666,

 0.0000, 0.4106,

260.9852, 261.2738

0.0000

254.4816,
313.1427, 315.0651

■ 0.0000, 0.0000,
0.0000

■ 32.4519, 46.2527,
43.2937

■ 32.4519, 46.2527,
43.2937

■ 29.9530, 45.0335,
40.1125

■ 35.5198, 47.7641,
46.6642

■ 27.9786, 44.0800,
37.1130

■ 39.1893, 49.5808,
50.2248

■ 26.4841, 43.3704,
34.2919

■ 43.4950, 51.7218,
53.9804

■ 25.4146, 42.8766,
31.6440

■ 48.4677, 54.2029,
57.9346

■ 24.6807, 42.5511,
29.2222

■ 54.1361, 57.0389,
62.0911

■ 60.5273, 60.2438,
66.4531

■ 67.6669, 63.8306,
71.0240

■ 74.3901, 67.1989,
75.7514

■ 75.2697, 67.5507,
80.3832

Harmonies

Analogous

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



34.9619, 46.2527, 29.5449



32.4519, 46.2527, 43.2937



32.7829, 46.2527, 63.0407

Triad

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



32.4519, 46.2527, 43.2937



48.1909, 46.2527, 94.3884



53.1255, 46.2527, 27.3854

Complementary

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



32.4519, 46.2527, 43.2937



32.1813, 22.7328, 24.5230

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.



57.4307, 46.2527, 39.5074



32.4519, 46.2527, 43.2937



54.3871, 46.2527, 79.1929

Square

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



32.4519, 46.2527, 43.2937



41.4193, 46.2527, 96.1574



57.9146, 46.2527, 58.1591



46.6063, 46.2527, 22.0559

Rectangle

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



32.4519, 46.2527, 43.2937



34.5773, 46.2527, 77.1353



57.9146, 46.2527, 58.1591



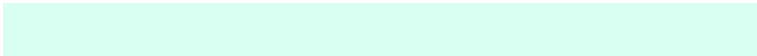
54.9070, 46.2527, 30.6337

Sweetspot

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



32.4532, 46.2545, 43.2948



80.3847, 92.6669, 97.9513



32.2449, 46.6821, 19.1160



16.8128, 19.6386, 20.6503



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.



32.4532, 46.2545, 43.2948



52.1996, 78.7288, 69.8915



32.2521, 40.3705, 60.1275



10.7921, 12.0057, 12.8555



15.9115, 27.3770, 19.0103



0.7859, 1.3093, 1.0710

Inverse Universe

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



32.1813, 22.7328, 24.5230



51.6993, 33.0459, 33.5712



32.0137, 25.4581, 15.0315



10.7758, 10.6937, 11.8027



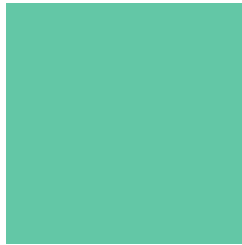
15.8078, 8.0727, 4.1976



0.7822, 0.3957, 0.3760

Previews

White Background



This preview shows how the XYZ color 32.4519, 46.2527, 43.2937 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 32.4519, 46.2527, 43.2937 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 32.4519, 46.2527, 43.2937

Background



This preview shows how black text looks on a background with the XYZ color 32.4519, 46.2527, 43.2937.

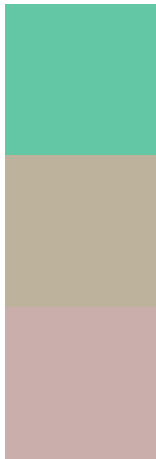


This preview shows how white text looks on a background with the XYZ color 32.4519, 46.2527,

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

32.4519, 46.2527, 43.2937

Protanopia

43.1071, 45.4593, 37.9550

Deuteranopia

46.5741, 45.6299, 44.8808



Tritanopia

37.2607, 46.1881, 67.2730

Trichromacy



Original Color

32.4519, 46.2527, 43.2937

Protanomaly

37.6144, 44.7238, 39.9078

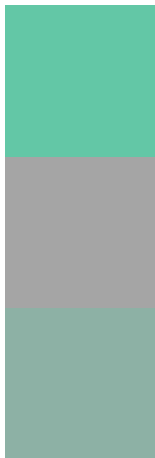
Deuteranomaly

39.4048, 44.6241, 44.0726

Tritanomaly

35.2042, 46.0063, 57.4767

Monochromacy



Original Color

32.4519, 46.2527, 43.2937

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

33.4982, 39.8236, 41.5185

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4519, 46.2527, 43.2937 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(99, 199, 166)` looks like.

```
.text, #text, p{  
    color:rgb(99, 199, 166)  
}
```

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(99, 199, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 199, 166) }
```

Border

The CSS property to change the border of an element to XYZ 32.4519, 46.2527, 43.2937 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(99, 199, 166) }
```


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

```
.border{ border-color:rgb(99, 199, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 199, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 199, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 199, 166);  
box-shadow:4px 4px 4px 4px rgb(99, 199,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4519, 46.2527, 43.2937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 199, 166) }
```

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

```
.background{ background-color: rgb(99, 199,  
166) }
```

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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