

Converting Colors

XYZ(32.5252, 46.4098, 39.2875)

Have a look what the booklet for
XYZ(32.5252, 46.4098, 39.2875)
contains.

XYZ(32.4531, 46.3453, 39.1334)	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(32.4531, 46.3453,
39.1334)**

Conversions

Conversions Part 1

Format	Color
Hex	6AC79D
RGB	106, 199, 157
RGB Percent	42%, 78%, 62%
CMY	0.5843, 0.2196, 0.3843
CMYK	0.47, 0.00, 0.21, 0.22
HSL	153°, 45%, 60%
HSV	153°, 47%, 78%
XYZ	32.4531, 46.3453, 39.1334
YIQ	166.4050, -41.9460, -32.7780

Conversions

Conversions Part 2

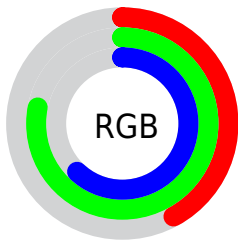
Format	Color
RYB	106, 166, 199
Decimal	6997917
CIELab	73.77, -37.47, 12.58
CIELCh	74, 39.521, 161.444
Yxy	46.3453, 0.2752, 0.3930
Android (android.graphics.Color)	4285187997 (0xFF6AC79D)
YUV	166.4050, -4.6367, -52.9752
Hunter-Lab	68.0774, -34.0429, 13.5721

Details

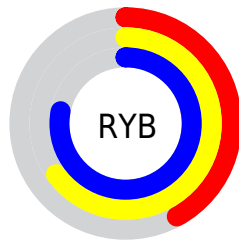
The XYZ color **32.4531, 46.3453, 39.1334** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **34.0541, 24.5895, 30.9702**, and the grayscale version is **36.4789, 38.3786, 41.7943**.

A 20% lighter version of the original color is **62.5440, 83.9548, 75.1958**, and **13.8414, 21.6401, 17.0831** is the 20% darker color. If you saturate the color by 10%, you get **29.6178, 44.9703, 35.1420**, and if you desaturate by 10%, it is **35.8961, 48.0295, 43.4500**.

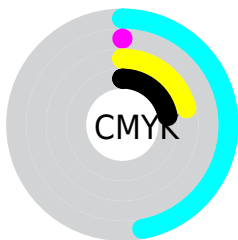
Distribution



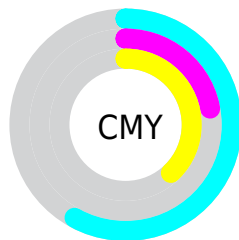
- Red (42%)
- Green (78%)
- Blue (62%)



- Red (42%)
- Yellow (65%)
- Blue (78%)



- Cyan (47%)
- Magenta (0%)
- Yellow (21%)
- Black (22%)





- Cyan (58%)
- Magenta (22%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.4531, 46.3453, 39.1334 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 32.4531, 46.3453, 39.1334 by changing the saturation by 10% instead.


 32.4531, 46.3453,
39.1334


 32.4531, 46.3453,
39.1334


304.8869,
372.1951, 357.9002

 21.8650, 32.5184,
26.5549

 62.8811, 84.7355,
75.0647


 13.8738, 21.7578,
17.0097


 83.4518, 110.0676,
99.2545

 8.1141, 13.6790,
10.0794


 108.0808,
140.0036, 128.1518

 4.2204, 7.8978,
5.3453

 137.1334,
174.9278, 162.1752

 1.8276, 4.0296,
2.3890

170.9749,
215.2247, 201.7432

 0.5342, 1.6901,
0.7805

209.9708,

 0.0000, 0.4173,

261.2786, 247.2743

0.0000

254.4863,
313.4740, 299.1872

■ 0.0000, 0.0000,
0.0000

■ 32.4531, 46.3453,
39.1334

■ 32.4531, 46.3453,
39.1334

■ 29.6178, 44.9703,
35.1420

■ 35.8961, 48.0295,
43.4500

■ 27.3468, 43.8786,
31.4644

■ 39.9789, 50.0357,
48.0963

■ 25.5965, 43.0491,
28.0931


■ 44.7361, 52.3827,
53.0809


■ 24.3149, 42.4551,
25.0189


■ 50.1981, 55.0862,
58.4109


■ 23.4338, 42.0617,
22.2316


■ 56.3939, 58.1609,
64.0934

 23.1915, 41.9554,
21.3801

 63.3506, 61.6206,
70.1351

 71.0939, 65.4786,
76.5424

 75.7934, 67.7601,
83.1414

 77.0806, 68.2750,
89.9198

Harmonies

Analogous

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



35.7064, 46.3453, 26.6783



32.4531, 46.3453, 39.1334



32.1009, 46.3453, 58.5271

Triad

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



32.4531, 46.3453, 39.1334



46.7825, 46.3453, 98.6219



54.9619, 46.3453, 28.9571

Complementary

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



32.4531, 46.3453, 39.1334



34.0541, 24.5895, 30.9702

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.



58.6473, 46.3453, 43.1744



32.4531, 46.3453, 39.1334



53.6012, 46.3453, 85.3384

Square

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



32.4531, 46.3453, 39.1334



39.8927, 46.3453, 96.6947



58.1245, 46.3453, 63.7900



48.4862, 46.3453, 21.9713

Rectangle

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



32.4531, 46.3453, 39.1334



33.5088, 46.3453, 73.4329



58.1245, 46.3453, 63.7900



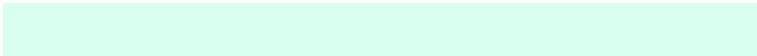
56.5976, 46.3453, 32.8637

Sweetspot

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



32.4544, 46.3472, 39.1345



80.6256, 92.8514, 95.2387



35.4940, 48.3167, 21.0917



16.8301, 19.6628, 19.9579



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.



32.4544, 46.3472, 39.1345



51.8174, 78.7178, 61.4696



35.9715, 46.6243, 61.1385



10.7367, 11.9836, 12.5638



14.9567, 26.9951, 13.9827



0.7444, 1.2927, 0.8525

Inverse Universe

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



34.0541, 24.5895, 30.9702



54.9614, 36.0546, 45.4968



31.6354, 24.1425, 16.6290



10.8297, 10.7153, 12.0863



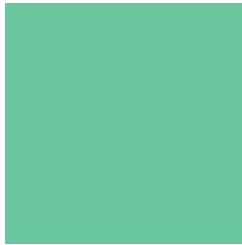
16.3714, 8.2981, 7.1655



0.8116, 0.4075, 0.5309

Previews

White Background



This preview shows how the XYZ color 32.4531, 46.3453, 39.1334 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 32.4531, 46.3453, 39.1334 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

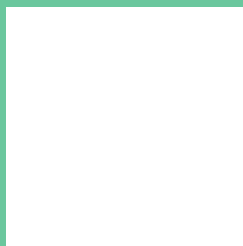
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.4531, 46.3453, 39.1334

Background



This preview shows how black text looks on a background with the XYZ color 32.4531, 46.3453, 39.1334.



This preview shows how white text looks on a background with the XYZ color 32.4531, 46.3453,

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

32.4531, 46.3453, 39.1334

Protanopia

43.1524, 45.8570, 34.5939

Deuteranopia

46.5595, 45.7181, 40.5529



Tritanopia

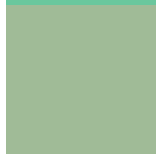
37.8426, 46.1753, 66.5927

Trichromacy



Original Color

32.4531, 46.3453, 39.1334



Protanomaly

37.8534, 45.2486, 36.0169



Deuteranomaly

39.4271, 44.7299, 39.8134



Tritanomaly

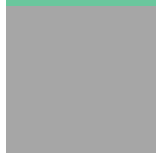
35.6398, 46.2817, 55.1990

Monochromacy



Original Color

32.4531, 46.3453, 39.1334



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

34.0329, 40.4144, 40.6574

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4531, 46.3453, 39.1334 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(106, 199, 157)` looks like.

```
.text, #text, p{  
    color:rgb(106, 199, 157)  
}
```

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(106, 199, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 199, 157) }
```

Border

The CSS property to change the border of an element to XYZ 32.4531, 46.3453, 39.1334 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(106, 199, 157) }
```


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

```
.border{ border-color:rgb(106, 199, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 199, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 199, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 199, 157);  
box-shadow:4px 4px 4px 4px rgb(106, 199,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4531, 46.3453, 39.1334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 199, 157) }
```

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

```
.background{ background-color: rgb(106,  
199, 157) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor