

Converting Colors

XYZ(31.1551, 44.4427, 25.4917)

Have a look what the booklet for
XYZ(31.1551, 44.4427, 25.4917)
contains.

XYZ(30.9730, 44.1997, 25.3113)	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(30.9730, 44.1997,
25.3113)**

Conversions

Conversions Part 1

Format	Color
Hex	7BC27A
RGB	123, 194, 122
RGB Percent	48%, 76%, 48%
CMY	0.5176, 0.2392, 0.5216
CMYK	0.37, 0.00, 0.37, 0.24
HSL	119°, 37%, 62%
HSV	119°, 37%, 76%
XYZ	30.9730, 44.1997, 25.3113
YIQ	164.5630, -19.2040, -37.4440

Conversions

Conversions Part 2

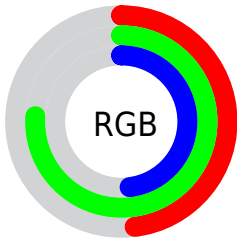
Format	Color
RYB	122, 194, 193
Decimal	8110714
CIELab	72.36, -36.80, 29.37
CIELCh	72, 47.082, 141.400
Yxy	44.1997, 0.3082, 0.4399
Android (android.graphics.Color)	4286300794 (0xFF7BC27A)
YUV	164.5630, -20.9836, -36.4508
Hunter-Lab	66.4829, -33.1855, 23.9652

Details

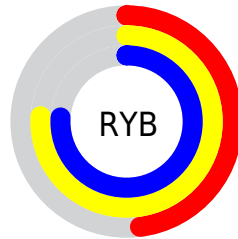
The XYZ color **30.9730, 44.1997, 25.3113** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **38.6916, 29.1530, 54.6291**, and the grayscale version is **35.6597, 37.5167, 40.8557**.

A 20% lighter version of the original color is **60.5951, 81.5545, 53.1053**, and **13.0736, 20.5261, 9.4038** is the 20% darker color. If you saturate the color by 10%, you get **27.4147, 42.4919, 19.4842**, and if you desaturate by 10%, it is **35.3084, 46.2829, 32.4292**.

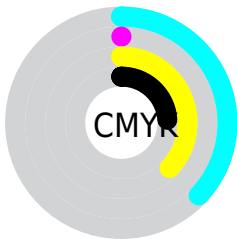
Distribution



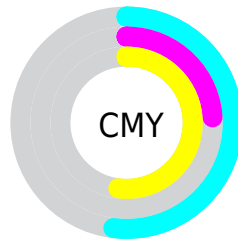
- Red (48%)
- Green (76%)
- Blue (48%)



- Red (48%)
- Yellow (76%)
- Blue (76%)



- Cyan (37%)
- Magenta (0%)
- Yellow (37%)
- Black (24%)




- Cyan (52%)
- Magenta (24%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.9730, 44.1997, 25.3113 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 30.9730, 44.1997, 25.3113 by changing the saturation by 10% instead.


 30.9730, 44.1997,
25.3113


 30.9730, 44.1997,
25.3113


298.2430,
363.5226, 292.8818


 20.7300, 30.8275,
16.0880


 60.5737, 81.5182,
53.1322

 13.0381, 20.4676,
9.4314


 80.6621, 106.2332,
72.5668

 7.5320, 12.7354,
4.9230

 104.7630,
135.4981, 96.2423

 3.8462, 7.2466,
2.1442

133.2419,
169.6971, 124.5773

 1.6155, 3.6168,
0.6419

166.4639,
209.2146, 157.9901

 0.4025, 1.4616,
0.0000

204.7945,

 0.0000, 0.2615,

254.4352, 196.8995

0.0000

248.5991,
305.7430, 241.7239

■ 0.0000, 0.0000,
0.0000

■ 30.9730, 44.1997,
25.3113

■ 30.9730, 44.1997,
25.3113

■ 27.4147, 42.4919,
19.4842

■ 35.3084, 46.2829,
32.4292

■ 24.5844, 41.1321,
14.8680

■ 40.4594, 48.7561,
40.9056

■ 22.4328, 40.0979,
11.3782


■ 46.4661, 51.6397,
50.8071


■ 20.9031, 39.3622,
8.9185


■ 53.3648, 54.9512,
62.1951

■ 19.9293, 38.8933,
7.3765

■ 61.1899, 58.7071,
75.1272

 19.4262, 38.6506,
6.5973

 69.9739, 62.9228,
89.6582

 19.3264, 38.6027,
6.4325

 78.5827, 67.0654,
103.4109

Harmonies

Analogous

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



36.5783, 44.1997, 17.3900



30.9730, 44.1997, 25.3113



28.4121, 44.1997, 41.7576

Triad

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



30.9730, 44.1997, 25.3113



39.7236, 44.1997, 107.0976



58.2496, 44.1997, 33.6121

Complementary

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



30.9730, 44.1997, 25.3113



38.6916, 29.1530, 54.6291

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.



59.3746, 44.1997, 55.1109



30.9730, 44.1997, 25.3113



47.9555, 44.1997, 102.7687

Square

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



30.9730, 44.1997, 25.3113



33.0210, 44.1997, 92.0972



55.4006, 44.1997, 81.6748



52.4992, 44.1997, 20.9992

Rectangle

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



30.9730, 44.1997, 25.3113



28.5141, 44.1997, 57.4952



55.4006, 44.1997, 81.6748



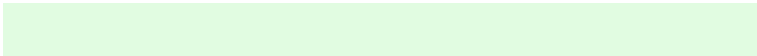
59.2083, 44.1997, 39.8342

Sweetspot

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



30.9741, 44.2016, 25.3123



79.5707, 91.3407, 84.4425



44.7888, 50.9284, 25.8826



17.0943, 19.8438, 17.9466



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.



30.9741, 44.2016, 25.3123



50.4876, 77.3757, 36.6417



33.3880, 45.1507, 38.7654



9.9571, 11.2653, 10.7115



12.7117, 25.3820, 4.2292



0.5538, 1.0990, 0.1829

Inverse Universe

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



38.6916, 29.1530, 54.6291



66.5912, 45.9639, 97.8320



35.4846, 27.8997, 36.4083



10.4831, 10.2402, 12.7089



20.5860, 9.8729, 34.3773



0.8940, 0.4289, 1.4856

Previews

White Background



This preview shows how the XYZ color 30.9730, 44.1997, 25.3113 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 30.9730, 44.1997, 25.3113 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 30.9730, 44.1997, 25.3113

Background



This preview shows how black text looks on a background with the XYZ color 30.9730, 44.1997, 25.3113.



This preview shows how white text looks on a background with the XYZ color 30.9730, 44.1997,

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

30.9730, 44.1997, 25.3113

Protanopia

40.5549, 43.8886, 22.5535

Deuteranopia

44.3787, 43.4898, 26.4774



Tritanopia

38.1390, 44.2247, 60.5589

Trichromacy



Original Color

30.9730, 44.1997, 25.3113

Protanomaly

36.1399, 43.3905, 23.6100

Deuteranomaly

38.0464, 42.8121, 25.9970

Tritanomaly

35.0068, 43.8933, 45.1553

Monochromacy



Original Color

30.9730, 44.1997, 25.3113

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

33.5278, 39.7046, 34.3304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9730, 44.1997, 25.3113 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(123, 194, 122)` looks like.

```
.text, #text, p{  
    color:rgb(123, 194, 122)  
}
```

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(123, 194, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 194, 122) }
```

Border

The CSS property to change the border of an element to XYZ 30.9730, 44.1997, 25.3113 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(123, 194, 122) }
```


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

```
.border{ border-color:rgb(123, 194, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 194, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 194, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 194, 122);  
box-shadow:4px 4px 4px 4px rgb(123, 194,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9730, 44.1997, 25.3113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 194, 122) }
```

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

```
.background{ background-color: rgb(123,  
194, 122) }
```

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