

Converting Colors

XYZ(47.1699, 58.9973, 30.6983)

Have a look what the booklet for
XYZ(47.1699, 58.9973, 30.6983)
contains.

XYZ(47.2505, 59.1995, 30.7661)	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(47.2505, 59.1995,
30.7661)**

Conversions

Conversions Part 1

Format	Color
Hex	B6D584
RGB	182, 213, 132
RGB Percent	71%, 84%, 52%
CMY	0.2863, 0.1647, 0.4823
CMYK	0.15, 0.00, 0.38, 0.16
HSL	83°, 49%, 68%
HSV	83°, 38%, 84%
XYZ	47.2505, 59.1995, 30.7661
YIQ	194.4970, 7.5250, -31.7630

Conversions

Conversions Part 2

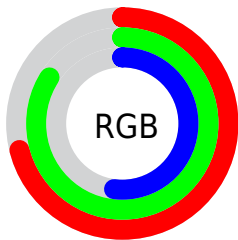
Format	Color
RYB	132, 213, 163
Decimal	11982212
CIELab	81.40, -23.74, 36.69
CIElCh	81, 43.705, 122.907
Yxy	59.1995, 0.3444, 0.4314
Android (android.graphics.Color)	4290172292 (0xFFB6D584)
YUV	194.4970, -30.8110, -10.9599
Hunter-Lab	76.9412, -25.0282, 30.1509

Details

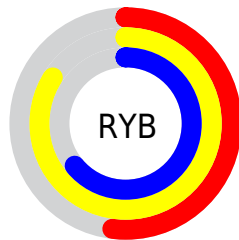
The XYZ color **47.2505, 59.1995, 30.7661** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **35.3682, 29.0948, 66.7058**, and the grayscale version is **51.7481, 54.4430, 59.2884**.

A 20% lighter version of the original color is **80.2195, 93.4159, 60.2574**, and **22.6141, 29.6370, 12.3132** is the 20% darker color. If you saturate the color by 10%, you get **44.0699, 57.7133, 23.7701**, and if you desaturate by 10%, it is **50.8438, 60.8678, 39.3372**.

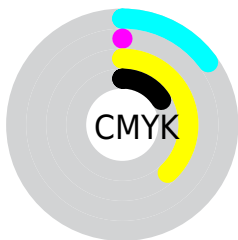
Distribution



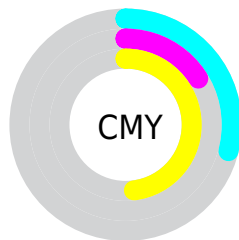
- Red (71%)
- Green (84%)
- Blue (52%)



- Red (52%)
- Yellow (84%)
- Blue (64%)



- Cyan (15%)
- Magenta (0%)
- Yellow (38%)
- Black (16%)



- Cyan (29%)
- Magenta (16%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2505, 59.1995, 30.7661 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 47.2505, 59.1995, 30.7661 by changing the saturation by 10% instead.

■ 47.2505, 59.1995,
30.7661

■ 47.2505, 59.1995,
30.7661

366.4458,
421.6408, 319.7771

■ 33.4425, 42.7737,
20.1638

■ 85.3039, 103.6676,
61.9469

■ 22.6265, 29.7076,
12.3289

■ 110.2800,
132.4786, 83.3625

■ 14.4371, 19.6168,
6.8429

■ 139.7095,
166.1870, 109.2196

■ 8.5091, 12.1168,
3.2871

173.9578,
205.1769, 139.9368

■ 4.4769, 6.8233,
1.2430

213.3902,
249.8329, 175.9326

■ 1.9753, 3.3518,
0.0144

258.3721,

■ 0.6200, 1.3180,

300.5393, 217.6256

0.0000

309.2688,
357.6804, 265.4342

■ 0.0000, 0.1551,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.2505, 59.1995,
30.7661

■ 47.2505, 59.1995,
30.7661

■ 44.0699, 57.7133,
23.7701

■ 50.8438, 60.8678,
39.3372

■ 41.2774, 56.3930,
18.2492

■ 54.8640, 62.7180,
49.5677

■ 38.8524, 55.2322,
14.0982

■ 59.3297, 64.7598,
61.5401

■ 36.7699, 54.2207,
11.1959

■ 64.2571, 66.9998,
75.3307

■ 35.0009, 53.3467,
9.4004

■ 69.6616, 69.4445,
91.0109

■ 33.5043, 52.5934,
8.5063

■ 74.7741, 71.7863,
104.5229

■ 33.2293, 52.4543,
8.3733

■ 77.4662, 73.1741,
104.6489

■ 80.2825, 74.6260,
104.7807

■ 83.0855, 76.0710,
104.9118

Harmonies

Analogous

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



55.3810, 59.1995, 26.1289



47.2505, 59.1995, 30.7661



42.0283, 59.1995, 44.1471

Triad

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



47.2505, 59.1995, 30.7661



48.6376, 59.1995, 120.4440



75.7049, 59.1995, 61.9397

Complementary

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



47.2505, 59.1995, 30.7661



35.3682, 29.0948, 66.7058

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.



73.4061, 59.1995, 90.2028



47.2505, 59.1995, 30.7661



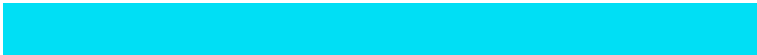
57.1631, 59.1995, 128.9149

Square

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



47.2505, 59.1995, 30.7661



42.7662, 59.1995, 95.8467



66.3640, 59.1995, 116.6138



72.3473, 59.1995, 40.8009

Rectangle

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



47.2505, 59.1995, 30.7661



40.5688, 59.1995, 58.4412



66.3640, 59.1995, 116.6138



75.5687, 59.1995, 70.8746

Sweetspot

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



47.2520, 59.2021, 30.7674



87.0180, 96.3436, 86.6467



44.4752, 41.5491, 27.5064



18.4262, 20.5305, 18.0089



0.0000, 0.0000, 0.0000



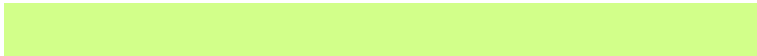
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.2520, 59.2021, 30.7674



66.9331, 87.0629, 37.2081



39.2541, 55.0790, 30.3931



12.9910, 14.2716, 13.2307



20.4139, 32.1001, 5.1200



1.3223, 1.9830, 0.3131

Inverse Universe

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



35.3682, 29.0948, 66.7058



46.5284, 35.3290, 98.9746



44.6750, 33.8927, 67.1414



12.1875, 12.2380, 15.6573



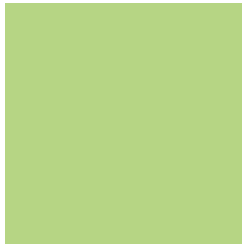
9.5426, 4.0719, 38.7362



0.6664, 0.2924, 2.3406

Previews

White Background



This preview shows how the XYZ color 47.2505, 59.1995, 30.7661 looks on a white background.

Color Contrast Check

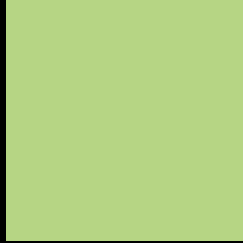
Large Text (above 18pt) WCAG AA × Fail

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 47.2505, 59.1995, 30.7661 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 47.2505, 59.1995, 30.7661

Background



This preview shows how black text looks on a background with the XYZ color 47.2505, 59.1995, 30.7661.



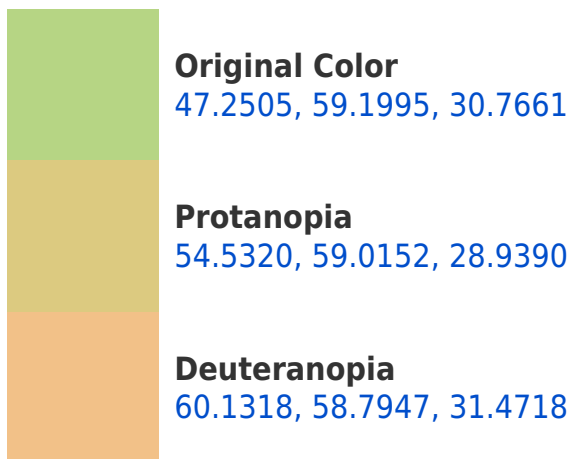
This preview shows how white text looks on a background with the XYZ color 47.2505, 59.1995,

30.7661.

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





Tritanopia

56.3903, 59.2957, 75.4910

Trichromacy



Original Color

47.2505, 59.1995, 30.7661

Protanomaly

51.4874, 58.8494, 29.4143

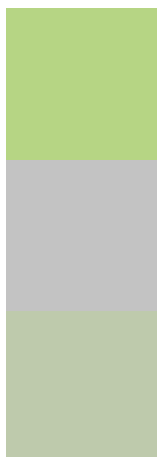
Deuteranomaly

54.5427, 58.2735, 31.2949

Tritanomaly

52.5177, 59.1607, 55.6649

Monochromacy



Original Color

47.2505, 59.1995, 30.7661

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

49.8021, 56.1668, 47.2461

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2505, 59.1995, 30.7661 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(182, 213, 132)` looks like.

```
.text, #text, p{  
    color:rgb(182, 213, 132)  
}
```

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(182, 213, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 213, 132) }
```

Border

The CSS property to change the border of an element to XYZ 47.2505, 59.1995, 30.7661 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(182, 213, 132) }
```


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

```
.border{ border-color:rgb(182, 213, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 213, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 213, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 213, 132);  
box-shadow:4px 4px 4px 4px rgb(182, 213,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2505, 59.1995, 30.7661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 213, 132) }
```

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

```
.background{ background-color: rgb(182,  
213, 132) }
```

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