

Converting Colors

XYZ(50.6334, 46.8766, 91.1747)

Have a look what the booklet for
XYZ(50.6334, 46.8766, 91.1747)
contains.

XYZ(50.7990, 47.0761, 91.2032)	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(50.7990, 47.0761,
91.2032)**

Conversions

Conversions Part 1

Format	Color
Hex	B6AFF3
RGB	182, 175, 243
RGB Percent	71%, 69%, 95%
CMY	0.2863, 0.3137, 0.0471
CMYK	0.25, 0.28, 0.00, 0.05
HSL	246°, 74%, 82%
HSV	246°, 28%, 95%
XYZ	50.7990, 47.0761, 91.2032
YIQ	184.8450, -17.6560, 22.6320

Conversions

Conversions Part 2

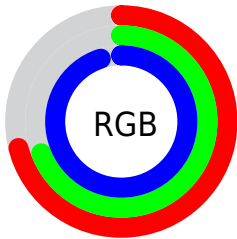
Format	Color
RYB	182, 175, 243
Decimal	11972595
CIELab	74.24, 16.81, -32.95
CIELCh	74, 36.986, 297.028
Yxy	47.0761, 0.2687, 0.2490
Android (android.graphics.Color)	4290162675 (0xFFB6AFF3)
YUV	184.8450, 28.6704, -2.4951
Hunter-Lab	68.6120, 12.0869, -30.7834

Details

The XYZ color **50.7990, 47.0761, 91.2032** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **74.3819, 85.0303, 53.0516**, and the grayscale version is **45.8821, 48.2715, 52.5677**.

A 20% lighter version of the original color is **82.2225, 82.7226, 106.2412**, and **24.9547, 22.3430, 50.0111** is the 20% darker color. If you saturate the color by 10%, you get **41.7348, 36.0037, 89.5445**, and if you desaturate by 10%, it is **61.5187, 60.2673, 93.1852**.

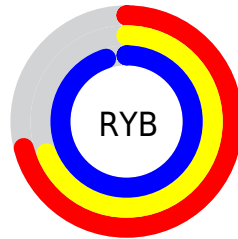
Distribution



Red (71%)

Green (69%)

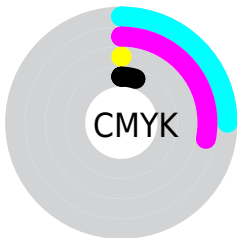
Blue (95%)



Red (71%)

Yellow (69%)

Blue (95%)

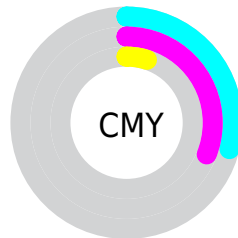


Cyan (25%)

Magenta (28%)

Yellow (0%)

Black (5%)



Cyan (29%)

Magenta (31%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7990, 47.0761, 91.2032 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 50.7990, 47.0761, 91.2032 by changing the saturation by 10% instead.

■ 50.7990, 47.0761,
91.2032

■ 50.7990, 47.0761,
91.2032

380.1829,
375.1182, 552.6079

■ 36.2691, 33.0958,
68.3997

■ 90.5424, 85.8272,
150.9587

■ 24.8131, 22.1999,
49.7542

116.4865,
111.3668, 188.7477

■ 16.0659, 14.0038,
34.8484

146.9660,
141.5283, 232.3689

■ 9.6619, 8.1233,
23.2635

182.3464,
176.6961, 282.2410

■ 5.2359, 4.1740,
14.5810

222.9929,
217.2546, 338.7824

■ 2.4225, 1.7713,
8.3825

269.2709,

■ 0.8564, 0.4692,

263.5882, 402.4116

4.2494

321.5458,
316.0813, 473.5473

■ 0.0000, 0.0000,
1.7632

■ 0.0000, 0.0000,
0.4035

■ 50.7990, 47.0761,
91.2032

■ 50.7990, 47.0761,
91.2032

■ 41.7348, 36.0037,
89.5445

■ 61.5187, 60.2673,
93.1852

■ 34.2387, 26.9341,
88.1890

■ 73.9661, 75.6741,
95.5029

■ 28.2227, 19.7489,
87.1192

■ 88.2145, 93.3938,
98.1722

■ 23.5876, 14.3146,
86.3146

■ 93.1778, 99.2511,
99.0412

■ 20.2223, 10.4803,
85.7519

■ 17.9980, 8.0691,
85.4037

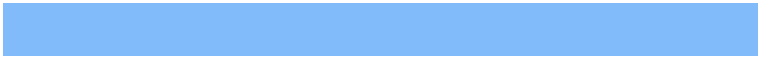
■ 16.7494, 6.8448,
85.2332

■ 16.5790, 6.6779,
85.2100

Harmonies

Analogous

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



44.0859, 47.0761, 97.1167



50.7990, 47.0761, 91.2032



56.3296, 47.0761, 73.8373

Triad

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



50.7990, 47.0761, 91.2032



52.0567, 47.0761, 26.2998



33.1696, 47.0761, 49.3858

Complementary

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



50.7990, 47.0761, 91.2032



74.3819, 85.0303, 53.0516

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.



34.8677, 47.0761, 33.8262



50.7990, 47.0761, 91.2032



45.4095, 47.0761, 22.7324

Square

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



50.7990, 47.0761, 91.2032



57.1048, 47.0761, 36.3760



39.1911, 47.0761, 25.1036



34.3102, 47.0761, 69.7287

Rectangle

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



50.7990, 47.0761, 91.2032



58.3710, 47.0761, 59.9094



39.1911, 47.0761, 25.1036



33.4230, 47.0761, 43.4822

Sweetspot

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



50.8006, 47.0780, 91.2043



82.4688, 84.3608, 106.5444



63.9113, 75.6924, 96.0364



17.1765, 17.4672, 22.7162



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.



50.8006, 47.0780, 91.2043



50.2906, 44.7096, 100.5870



59.7690, 51.7014, 91.6240



15.7394, 16.0083, 20.8029



9.1506, 3.6916, 46.7683



0.8559, 0.3511, 4.1129

Inverse Universe

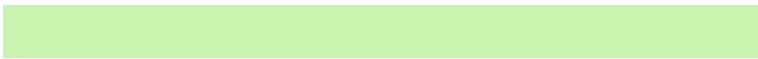
The Inverse Universe completely reimagines the original color for something new.



67.4338, 55.7725, 86.5695



71.9443, 56.0347, 94.2739



64.2011, 79.7819, 52.5751



17.1358, 16.7372, 20.4617



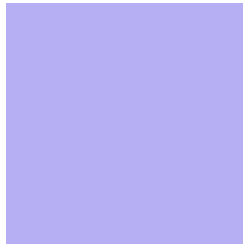
27.2603, 13.2475, 37.6745



2.4167, 1.1726, 3.4207

Previews

White Background



This preview shows how the XYZ color 50.7990, 47.0761, 91.2032 looks on a white background.

Color Contrast Check

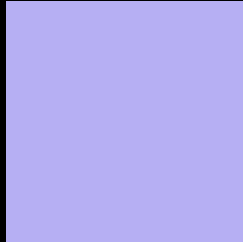
Large Text (above 18pt) WCAG AA × Fail

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 50.7990, 47.0761, 91.2032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

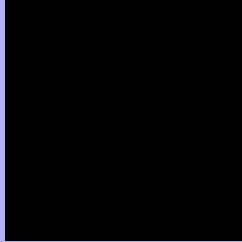
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.7990, 47.0761, 91.2032

Background



This preview shows how black text looks on a background with the XYZ color 50.7990, 47.0761, 91.2032.



This preview shows how white text looks on a background with the XYZ color 50.7990, 47.0761,

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

50.7990, 47.0761, 91.2032

Protanopia

48.2140, 47.1444, 94.5543

Deuteranopia

48.2846, 47.2688, 90.5833



Tritanopia

44.5671, 47.2424, 60.1958

Trichromacy



Original Color

50.7990, 47.0761, 91.2032

Protanomaly

49.1325, 47.0407, 93.6790

Deuteranomaly

48.9607, 47.0223, 90.5001

Tritanomaly

46.5660, 47.1329, 70.2616

Monochromacy



Original Color

50.7990, 47.0761, 91.2032

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

47.4316, 47.6943, 65.0985

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7990, 47.0761, 91.2032 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, 175, 243)` looks like.

```
.text, #text, p{  
    color:rgb(182, 175, 243)  
}
```

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, 175, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 175, 243) }
```

Border

The CSS property to change the border of an element to XYZ 50.7990, 47.0761, 91.2032 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, 175, 243) }
```


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

```
.border{ border-color:rgb(182, 175, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 175, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 175, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 175, 243);  
box-shadow:4px 4px 4px 4px rgb(182, 175,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7990, 47.0761, 91.2032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 175, 243) }
```

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

```
.background{ background-color: rgb(182,  
175, 243) }
```

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