

Converting Colors

XYZ(48.6237, 43.2062, 88.9960)

Have a look what the booklet for
XYZ(48.6237, 43.2062, 88.9960)
contains.

XYZ(48.6237, 43.2062, 88.9960)	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(48.6237, 43.2062,
88.9960)**

Conversions

Conversions Part 1

Format	Color
Hex	B6A5F1
RGB	182, 165, 241
RGB Percent	71%, 65%, 95%
CMY	0.2863, 0.3529, 0.0549
CMYK	0.24, 0.32, 0.00, 0.05
HSL	253°, 73%, 80%
HSV	253°, 32%, 95%
XYZ	48.6237, 43.2062, 88.9960
YIQ	178.7470, -14.2640, 27.2400

Conversions

Conversions Part 2

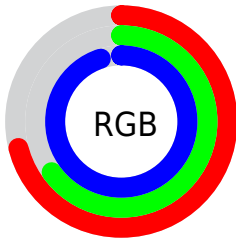
Format	Color
R_{YB}	182, 165, 241
Decimal	11970033
CIE _{Lab}	71.69, 21.89, -35.80
CIE _{LCh}	72, 41.964, 301.451
Yxy	43.2062, 0.2689, 0.2389
Android (android.graphics.Color)	4290160113 (0xFFB6A5F1)
YUV	178.7470, 30.6907, 2.8529
Hunter-Lab	65.7314, 17.0123, -34.2627

Details

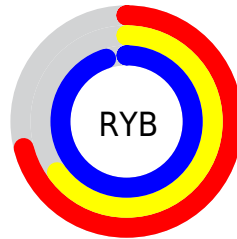
The XYZ color **48.6237, 43.2062, 88.9960** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **68.9885, 81.4755, 47.6893**, and the grayscale version is **42.5617, 44.7782, 48.7635**.

A 20% lighter version of the original color is **79.2398, 76.7571, 105.2470**, and **23.5642, 19.9022, 48.4985** is the 20% darker color. If you saturate the color by 10%, you get **40.5524, 33.1898, 87.4888**, and if you desaturate by 10%, it is **58.1073, 55.1684, 90.8058**.

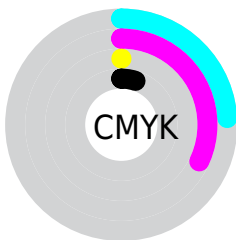
Distribution



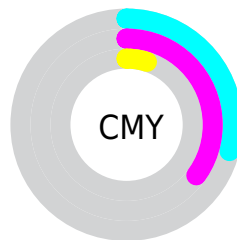
- Red (71%)
- Green (65%)
- Blue (95%)



- Red (71%)
- Yellow (65%)
- Blue (95%)



- Cyan (24%)
- Magenta (32%)
- Yellow (0%)
- Black (5%)





- Cyan (29%)
- Magenta (35%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.6237, 43.2062, 88.9960 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 48.6237, 43.2062, 88.9960 by changing the saturation by 10% instead.


 48.6237, 43.2062,
88.9960


 48.6237, 43.2062,
88.9960


371.8006,
359.4591, 545.2450

 34.5344, 30.0469,
66.5792


 87.3364, 80.0219,
147.8663

 23.4692, 19.8742,
48.2833


 112.6905,
104.4472, 185.1569

 15.0630, 12.3036,
33.6897


142.5302,
133.3966, 228.2426

 8.9502, 6.9508,
22.3799

177.2209,
167.2545, 277.5418

 4.7656, 3.4314,
13.9353

217.1279,
206.4053, 333.4731

 2.1437, 1.3609,
7.9375

262.6166,

 0.7128, 0.1876,

251.2334, 396.4550

3.9678

314.0524,
302.1232, 466.9062

■ 0.0000, 0.0000,
1.6077

■ 0.0000, 0.0000,
0.2963

■ 48.6237, 43.2062,
88.9960

■ 48.6237, 43.2062,
88.9960

■ 40.5524, 33.1898,
87.4888

■ 58.1073, 55.1684,
90.8058

■ 33.8196, 25.0098,
86.2647

■ 69.0633, 69.1675,
92.9305

■ 28.3514, 18.5538,
85.3068

■ 81.5534, 85.2952,
95.3852

■ 24.0644, 13.6946,
84.5948

■ 92.8773, 99.1309,
97.4589

■ 20.8647, 10.2870,
84.1058

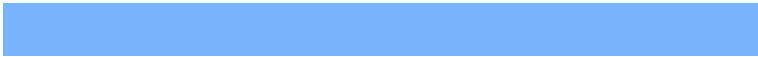
■ 18.6422, 8.1583,
83.8120

■ 17.3937, 7.1326,
83.6798

Harmonies

Analogous

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



41.4134, 43.2062, 98.0708



48.6237, 43.2062, 88.9960



54.2898, 43.2062, 68.3571

Triad

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



48.6237, 43.2062, 88.9960



47.9556, 43.2062, 20.3436



28.8548, 43.2062, 48.0427

Complementary

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



48.6237, 43.2062, 88.9960



68.9885, 81.4755, 47.6893

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.



30.1857, 43.2062, 30.6974



48.6237, 43.2062, 88.9960



40.7210, 43.2062, 17.7462

Square

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



48.6237, 43.2062, 88.9960



53.8739, 43.2062, 29.4235



34.3354, 43.2062, 20.9159



30.4686, 43.2062, 70.5841

Rectangle

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



48.6237, 43.2062, 88.9960



56.1304, 43.2062, 53.1109



34.3354, 43.2062, 20.9159



28.9716, 43.2062, 41.4580

Sweetspot

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



48.6252, 43.2079, 88.9970



81.9070, 82.9975, 106.3109



58.1948, 67.9499, 93.2683



17.1058, 17.2170, 22.6716



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.



48.6252, 43.2079, 88.9970



49.0639, 41.3841, 100.0097



58.6877, 48.3953, 89.4679



15.2279, 15.3992, 19.8914



9.5270, 3.9168, 45.3818



0.8757, 0.3687, 3.7792

Inverse Universe

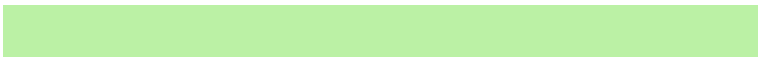
The Inverse Universe completely reimagines the original color for something new.



63.1865, 50.9944, 77.0349



68.2384, 51.6497, 83.7074



58.6277, 76.1343, 47.2044



16.2941, 15.9674, 19.1050



24.5940, 12.1100, 26.8423



2.0827, 1.0221, 2.4264

Previews

White Background



This preview shows how the XYZ color 48.6237, 43.2062, 88.9960 looks on a white background.

Color Contrast Check

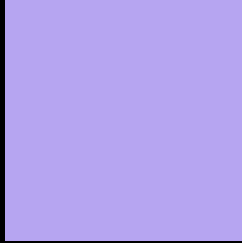
Large Text (above 18pt) WCAG AA × Fail

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 48.6237, 43.2062, 88.9960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

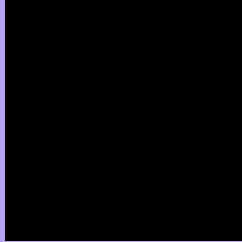
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.6237, 43.2062, 88.9960

Background



This preview shows how black text looks on a background with the XYZ color 48.6237, 43.2062, 88.9960.



This preview shows how white text looks on a background with the XYZ color 48.6237, 43.2062,

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

48.6237, 43.2062, 88.9960

Protanopia

44.8689, 43.3748, 94.0030

Deuteranopia

44.4282, 43.2872, 87.6750



Tritanopia

41.5285, 43.1047, 54.2754

Trichromacy



Original Color

48.6237, 43.2062, 88.9960

Protanomaly

46.1660, 43.2345, 92.2981

Deuteranomaly

45.8288, 43.1477, 88.3510

Tritanomaly

43.8526, 42.9100, 65.6457

Monochromacy



Original Color

48.6237, 43.2062, 88.9960

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

44.6191, 44.2397, 62.0645

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6237, 43.2062, 88.9960 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, 165, 241)` looks like.

```
.text, #text, p{  
    color:rgb(182, 165, 241)  
}
```

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, 165, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 165, 241) }
```

Border

The CSS property to change the border of an element to XYZ 48.6237, 43.2062, 88.9960 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, 165, 241) }
```


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

```
.border{ border-color:rgb(182, 165, 241) }
```

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

Here you see how a box with a 4 pixel rgb(182, 165, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 165, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 165, 241);  
box-shadow:4px 4px 4px 4px rgb(182, 165,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6237, 43.2062, 88.9960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 165, 241) }
```

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

```
.background{ background-color: rgb(182,  
165, 241) }
```

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