

Converting Colors

XYZ(29.9261, 21.2916, 37.4504)

Have a look what the booklet for
XYZ(29.9261, 21.2916, 37.4504)
contains.

XYZ(29.9851, 21.3073, 37.6543)	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(29.9851, 21.3073,
37.6543)**

Conversions

Conversions Part 1

Format	Color
Hex	B463A4
RGB	180, 99, 164
RGB Percent	71%, 39%, 64%
CMY	0.2941, 0.6117, 0.3569
CMYK	0.00, 0.45, 0.09, 0.29
HSL	312°, 35%, 55%
HSV	312°, 45%, 71%
XYZ	29.9851, 21.3073, 37.6543
YIQ	130.6290, 27.4110, 37.3870

Conversions

Conversions Part 2

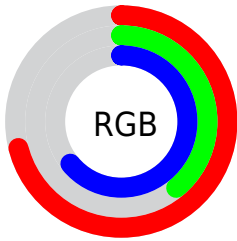
Format	Color
R _{YB}	180, 99, 164
Decimal	11821988
CIE _{Lab}	53.28, 41.74, -20.93
CIE _{LCh}	53, 46.690, 333.370
Yxy	21.3073, 0.3371, 0.2396
Android (android.graphics.Color)	4290012068 (0xFFB463A4)
YUV	130.6290, 16.4519, 43.2984
Hunter-Lab	46.1598, 35.1726, -16.0532

Details

The XYZ color **29.9851, 21.3073, 37.6543** is a light color, and the websafe version is hex **996699**. A complement of this color would be **24.5623, 36.5337, 21.9782**, and the grayscale version is **21.3783, 22.4916, 24.4934**.

A 20% lighter version of the original color is **58.9395, 45.5755, 72.7083**, and **12.4390, 7.6437, 16.1490** is the 20% darker color. If you saturate the color by 10%, you get **28.1495, 18.1426, 35.4803**, and if you desaturate by 10%, it is **32.2111, 25.2377, 40.0031**.

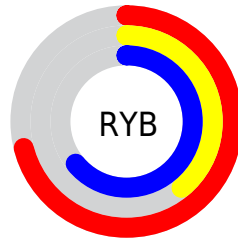
Distribution



Red (71%)

Green (39%)

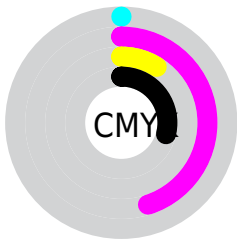
Blue (64%)



Red (71%)

Yellow (39%)

Blue (64%)

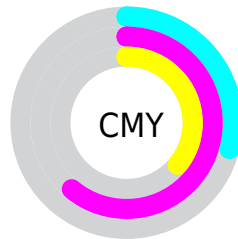


Cyan (0%)

Magenta (45%)

Yellow (9%)

Black (29%)



Cyan (29%)


Magenta (61%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9851, 21.3073, 37.6543 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 29.9851, 21.3073, 37.6543 by changing the saturation by 10% instead.

 29.9851, 21.3073,
37.6543


 29.9851, 21.3073,
37.6543


293.7461,
258.9071, 351.3883

 19.9753, 13.3488,
25.4147


 59.0254, 45.5984,
72.7755


 12.4852, 7.6692,
16.1645


 78.7866, 62.6998,
96.4942

 7.1496, 3.8840,
9.4850


 102.5290, 83.6177,
124.8764

 3.6030, 1.6089,
4.9578

 130.6179,
108.7363, 158.3406

 1.4801, 0.3636,
2.1642

163.4187,
138.4402, 197.3053

 0.3122, 0.0000,
0.6536

201.2968,

 0.0000, 0.0000,

173.1137, 242.1892

0.0000

244.6175,
213.1412, 293.4107

■ 29.9851, 21.3073,
37.6543

■ 29.9851, 21.3073,
37.6543

■ 28.1495, 18.1426,
35.4803

■ 32.2111, 25.2377,
40.0031

■ 26.6767, 15.6894,
33.4710

■ 34.8486, 29.9772,
42.5337

■ 25.5385, 13.8914,
31.6168

■ 37.9199, 35.5695,
45.2537

■ 24.7018, 12.6823,
29.9063

■ 41.4448, 42.0544,
48.1704

■ 24.1259, 11.9811,
28.3256

■ 45.4420, 49.4690,
51.2901

■ 23.8906, 11.7306,
27.5684

■ 49.9291, 57.8484,
54.6192

■ 54.9227, 67.2260,
58.1635

■ 60.4388, 77.6333,
61.9286

■ 64.5468, 85.2091,
65.2714

Harmonies

Analogous

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



25.9389, 21.3073, 54.1415



29.9851, 21.3073, 37.6543



31.2912, 21.3073, 21.6372

Triad

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



29.9851, 21.3073, 37.6543



19.6987, 21.3073, 5.2613



13.3099, 21.3073, 41.6109

Complementary

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



29.9851, 21.3073, 37.6543



24.5623, 36.5337, 21.9782

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.



12.1726, 21.3073, 24.8363



29.9851, 21.3073, 37.6543



15.4636, 21.3073, 7.0902

Square

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



29.9851, 21.3073, 37.6543



24.8148, 21.3073, 6.3891



12.8922, 21.3073, 13.0181



16.2858, 21.3073, 57.0043

Rectangle

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



29.9851, 21.3073, 37.6543



30.2827, 21.3073, 13.9957



12.8922, 21.3073, 13.0181



12.7240, 21.3073, 35.7505

Sweetspot

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



29.9858, 21.3083, 37.6547



69.8298, 66.4618, 82.9662



19.6210, 15.7874, 45.1937



14.8082, 13.8436, 17.6899



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



29.9858, 21.3083, 37.6547



51.0626, 32.9335, 64.3606



26.9644, 20.0997, 21.7446



8.7766, 8.6174, 10.3222



16.6980, 8.1968, 19.3674



0.5438, 0.2653, 0.7062

Inverse Universe

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



29.9858, 21.3083, 37.6547



51.0626, 32.9335, 64.3606



27.3296, 37.6407, 36.5508



8.7766, 8.6174, 10.3222



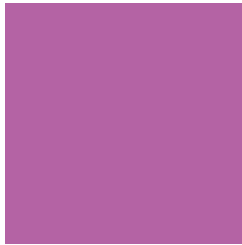
16.6980, 8.1968, 19.3674



0.5438, 0.2653, 0.7062

Previews

White Background



This preview shows how the XYZ color 29.9851, 21.3073, 37.6543 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9851, 21.3073, 37.6543 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 × Fail

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

XYZ 29.9851, 21.3073, 37.6543

Background



This preview shows how black text looks on a background with the XYZ color 29.9851, 21.3073, 37.6543.



This preview shows how white text looks on a background with the XYZ color 29.9851, 21.3073,

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

29.9851, 21.3073, 37.6543

Protanopia

22.4193, 21.6336, 48.3415

Deuteranopia

21.9038, 21.4555, 35.7878



Tritanopia

26.3587, 21.3356, 19.5585

Trichromacy



Original Color

29.9851, 21.3073, 37.6543



Protanomaly

24.1729, 20.8160, 44.3388



Deuteranomaly

24.1800, 20.9933, 36.4959



Tritanomaly

27.4861, 21.1715, 25.1921

Monochromacy



Original Color

29.9851, 21.3073, 37.6543



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

23.9492, 21.5664, 28.8871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9851, 21.3073, 37.6543 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(180, 99, 164)` looks like.

```
.text, #text, p{  
    color:rgb(180, 99, 164)  
}
```

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(180, 99, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 99, 164) }
```

Border

The CSS property to change the border of an element to XYZ 29.9851, 21.3073, 37.6543 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(180, 99, 164) }
```


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

```
.border{ border-color:rgb(180, 99, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 99, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 99, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 99, 164);  
box-shadow:4px 4px 4px 4px rgb(180, 99,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9851, 21.3073, 37.6543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 99, 164) }
```

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

```
.background{ background-color: rgb(180, 99,  
164) }
```

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](#).

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