

Converting Colors

XYZ(29.7599, 21.4672, 45.9032)

Have a look what the booklet for
XYZ(29.7599, 21.4672, 45.9032)
contains.

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Color

**XYZ(29.7842, 21.4560,
45.7516)**

Conversions

Conversions Part 1

Format	Color
Hex	AB66B4
RGB	171, 102, 180
RGB Percent	67%, 40%, 71%
CMY	0.3294, 0.6000, 0.2941
CMYK	0.05, 0.43, 0.00, 0.29
HSL	293°, 34%, 55%
HSV	293°, 43%, 71%
XYZ	29.7842, 21.4560, 45.7516
YIQ	131.5230, 16.0860, 38.8860

Conversions

Conversions Part 2

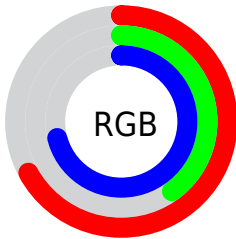
Format	Color
RYB	171, 102, 180
Decimal	11232948
CIELab	53.44, 40.28, -30.07
CIELCh	53, 50.266, 323.262
Yxy	21.4560, 0.3071, 0.2212
Android (android.graphics.Color)	4289423028 (0xFFAB66B4)
YUV	131.5230, 23.8992, 34.6213
Hunter-Lab	46.3206, 33.7146, -26.1372

Details

The XYZ color **29.7842, 21.4560, 45.7516** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **25.2758, 36.9818, 18.3775**, and the grayscale version is **21.6742, 22.8030, 24.8324**.

A 20% lighter version of the original color is **58.8566, 45.9928, 85.1323**, and **12.3949, 7.7702, 20.9252** is the 20% darker color. If you saturate the color by 10%, you get **27.7549, 18.0633, 45.2040**, and if you desaturate by 10%, it is **32.2061, 25.6224, 46.4285**.

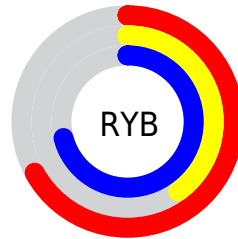
Distribution



Red (67%)

Green (40%)

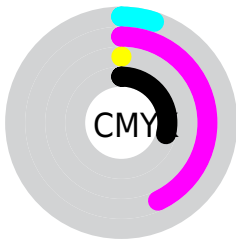
Blue (71%)



Red (67%)

Yellow (40%)

Blue (71%)

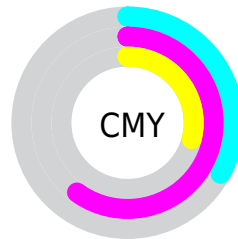


Cyan (5%)

Magenta (43%)

Yellow (0%)

Black (29%)



Cyan (33%)

Magenta (60%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7842, 21.4560, 45.7516 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 29.7842, 21.4560, 45.7516 by changing the saturation by 10% instead.

■ 29.7842, 21.4560,
45.7516

■ 29.7842, 21.4560,
45.7516

292.8252,
259.6920, 386.0576

■ 19.8221, 13.4577,
31.7026

■ 58.7097, 45.8452,
85.1775

■ 12.3733, 7.7445,
20.8715

■ 78.4038, 63.0050,
111.3915

■ 7.0725, 3.9319,
12.8398

■ 102.0727, 83.9873,
142.4975

■ 3.5542, 1.6355,
7.1889

■ 130.0816,
109.1767, 178.9141

■ 1.4532, 0.3814,
3.5003

162.7960,
138.9574, 221.0599

■ 0.2936, 0.0000,
1.3554

200.5811,

■ 0.0000, 0.0000,

173.7140, 269.3534

0.1066

243.8024,
213.8307, 324.2131

■ 0.0000, 0.0000,
0.0000

■ 29.7842, 21.4560,
45.7516

■ 29.7842, 21.4560,
45.7516

■ 27.7549, 18.0633,
45.2040

■ 32.2061, 25.6224,
46.4285

■ 26.0909, 15.3911,
44.7759

■ 35.0414, 30.6054,
47.2408

■ 24.7648, 13.3843,
44.4585

■ 38.3118, 36.4480,
48.1962

■ 23.7443, 11.9783,
44.2409

■ 42.0370, 43.1896,
49.3011

■ 22.9907, 11.0957,
44.1102

■ 46.2354, 50.8669,
50.5617

■ 22.5825, 10.6900,
44.0534

■ 50.9245, 59.5147,
51.9838

■ 56.1208, 69.1660,
53.5728

■ 61.8399, 79.8522,
55.3340

■ 65.1568, 85.7229,
56.2924

Harmonies

Analogous

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



24.7258, 21.4560, 62.1601



29.7842, 21.4560, 45.7516



32.3923, 21.4560, 26.9871

Triad

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



29.7842, 21.4560, 45.7516



21.6227, 21.4560, 4.6311



12.3359, 21.4560, 37.0154

Complementary

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



29.7842, 21.4560, 45.7516



25.2758, 36.9818, 18.3775

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.



11.7973, 21.4560, 20.0769



29.7842, 21.4560, 45.7516



16.5989, 21.4560, 5.4158

Square

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



29.7842, 21.4560, 45.7516



27.1767, 21.4560, 6.8259



13.2183, 21.4560, 9.8117



14.8445, 21.4560, 55.7639

Rectangle

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



29.7842, 21.4560, 45.7516



32.1167, 21.4560, 17.2413



13.2183, 21.4560, 9.8117



11.9388, 21.4560, 30.7826

Sweetspot

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



29.7849, 21.4569, 45.7521



69.5360, 66.2117, 87.4098



19.4140, 17.5118, 45.5372



14.7341, 13.7806, 18.8056



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.



29.7849, 21.4569, 45.7521



50.4734, 32.9957, 82.0032



29.0875, 21.4122, 31.4971



8.7516, 8.5960, 10.7043



15.7974, 7.4796, 30.7481



0.5242, 0.2493, 0.9687

Inverse Universe

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



26.4437, 20.3547, 17.5749



43.8007, 30.8412, 23.6150



25.9595, 37.1310, 27.5937



8.5349, 8.5207, 9.0493



13.2432, 6.8148, 1.1749



0.4295, 0.2195, 0.1042

Previews

White Background



This preview shows how the XYZ color 29.7842, 21.4560, 45.7516 looks on a white background.

Color Contrast Check

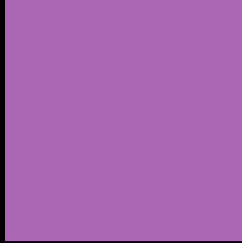
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7842, 21.4560, 45.7516 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 29.7842, 21.4560, 45.7516

Background



This preview shows how black text looks on a background with the XYZ color 29.7842, 21.4560, 45.7516.



This preview shows how white text looks on a background with the XYZ color 29.7842, 21.4560,

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

29.7842, 21.4560, 45.7516

Protanopia

23.1365, 21.8119, 57.0235

Deuteranopia

22.0088, 21.5276, 43.5527



Tritanopia

24.8101, 21.4781, 21.5769

Trichromacy



Original Color

29.7842, 21.4560, 45.7516

Protanomaly

24.4799, 20.9640, 52.6254

Deuteranomaly

24.1286, 20.9652, 44.3700

Tritanomaly

26.3359, 21.2725, 29.1035

Monochromacy



Original Color

29.7842, 21.4560, 45.7516

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

24.1162, 21.9557, 31.4006

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7842, 21.4560, 45.7516 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(171, 102, 180)` looks like.

```
.text, #text, p{  
    color:rgb(171, 102, 180)  
}
```

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(171, 102, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 102, 180) }
```

Border

The CSS property to change the border of an element to XYZ 29.7842, 21.4560, 45.7516 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(171, 102, 180) }
```


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

```
.border{ border-color:rgb(171, 102, 180) }
```

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

Here you see how a box with a 4 pixel rgb(171, 102, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 102, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 102, 180);  
box-shadow:4px 4px 4px 4px rgb(171, 102,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7842, 21.4560, 45.7516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 102, 180) }
```

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

```
.background{ background-color: rgb(171,  
102, 180) }
```

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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