

Converting Colors

XYZ(32.9248, 30.3558, 46.0028)

Have a look what the booklet for
XYZ(32.9248, 30.3558, 46.0028)
contains.

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Color

**XYZ(33.0187, 30.4529,
46.2572)**

Conversions

Conversions Part 1

Format	Color
Hex	A48EB2
RGB	164, 142, 178
RGB Percent	64%, 56%, 70%
CMY	0.3569, 0.4431, 0.3020
CMYK	0.08, 0.20, 0.00, 0.30
HSL	277°, 19%, 63%
HSV	277°, 20%, 70%
XYZ	33.0187, 30.4529, 46.2572
YIQ	152.6820, 1.5560, 15.8600

Conversions

Conversions Part 2

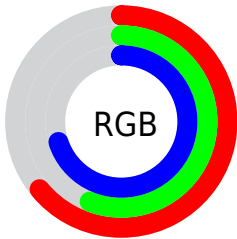
Format	Color
R_{YB}	164, 142, 178
Decimal	10784434
CIE _{Lab}	62.04, 15.10, -15.79
CIE _{LCh}	62, 21.847, 313.707
Yxy	30.4529, 0.3009, 0.2775
Android (android.graphics.Color)	4288974514 (0xFFA48EB2)
YUV	152.6820, 12.4818, 9.9259
Hunter-Lab	55.1841, 10.2308, -11.0700

Details

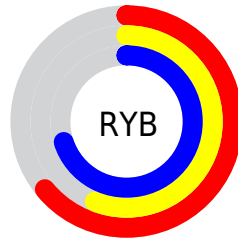
The XYZ color **33.0187, 30.4529, 46.2572** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **34.5143, 40.8625, 31.6609**, and the grayscale version is **30.0880, 31.6549, 34.4722**.

A 20% lighter version of the original color is **63.8046, 60.4804, 86.1529**, and **14.2109, 12.5797, 21.0812** is the 20% darker color. If you saturate the color by 10%, you get **29.1891, 24.8568, 45.3794**, and if you desaturate by 10%, it is **37.3508, 36.9375, 47.2810**.

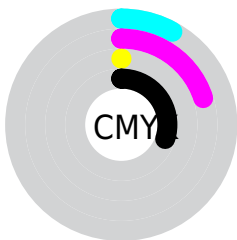
Distribution



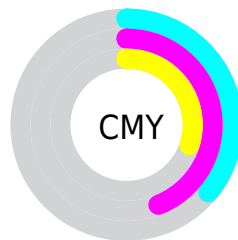
- Red (64%)
- Green (56%)
- Blue (70%)



- Red (64%)
- Yellow (56%)
- Blue (70%)



- Cyan (8%)
- Magenta (20%)
- Yellow (0%)
- Black (30%)



- Cyan (36%)
- Magenta (44%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0187, 30.4529, 46.2572 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 33.0187, 30.4529, 46.2572 by changing the saturation by 10% instead.

■ 33.0187, 30.4529,
46.2572

■ 33.0187, 30.4529,
46.2572

307.3975,
304.0099, 388.1493

■ 22.3001, 20.1826,
32.0987

■ 63.7592, 60.3777,
85.9421

■ 14.1954, 12.5279,
21.1715

■ 84.5118, 80.8010,
112.3056

■ 8.3393, 7.1042,
13.0569

■ 109.3398,
105.3773, 143.5745

■ 4.3664, 3.5274,
7.3366

138.6084,
134.4912, 180.1674

■ 1.9115, 1.4129,
3.5918

172.6832,
168.5271, 222.5028

■ 0.5835, 0.2262,
1.4042

211.9294,

■ 0.0000, 0.0000,

207.8692, 270.9992

0.1450

256.7124,
252.9020, 326.0752

■ 0.0000, 0.0000,
0.0000

■ 33.0187, 30.4529,
46.2572

■ 33.0187, 30.4529,
46.2572

■ 29.1891, 24.8568,
45.3794

■ 37.3508, 36.9375,
47.2810

■ 25.8381, 20.1047,
44.6387

■ 42.2026, 44.3447,
48.4550

■ 22.9435, 16.1538,
44.0287

■ 47.5937, 52.7116,
49.7858

■ 20.4806, 12.9562,
43.5413

■ 53.5419, 62.0720,
51.2791

■ 18.4215, 10.4585,
43.1677

■ 60.0642, 72.4581,
52.9400

■ 16.7351, 8.6001,
42.8979

■ 67.1766, 83.9006,
54.7738

■ 15.3845, 7.3096,
42.7200

■ 71.0802, 88.7999,
55.5137

■ 14.3149, 6.4513,
42.6107

■ 73.1247, 89.8539,
55.6094

■ 75.2559, 90.9526,
55.7091

Harmonies

Analogous

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



30.3015, 30.4529, 51.4542



33.0187, 30.4529, 46.2572



34.7019, 30.4529, 37.8988

Triad

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



33.0187, 30.4529, 46.2572



30.5557, 30.4529, 19.9462



23.8042, 30.4529, 37.1341

Complementary

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



33.0187, 30.4529, 46.2572



34.5143, 40.8625, 31.6609

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.



23.8621, 30.4529, 28.8301



33.0187, 30.4529, 46.2572



27.6288, 30.4529, 19.8120

Square

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



33.0187, 30.4529, 46.2572



33.2156, 30.4529, 23.2035



25.2202, 30.4529, 22.7995



25.0563, 30.4529, 45.6166

Rectangle

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



33.0187, 30.4529, 46.2572



34.9448, 30.4529, 32.1248



25.2202, 30.4529, 22.7995



23.6738, 30.4529, 34.2132

Sweetspot

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



33.0196, 30.4542, 46.2579



71.2405, 72.3094, 86.5835



31.1481, 32.8778, 46.8243



15.6600, 15.8323, 19.1528



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.



33.0196, 30.4542, 46.2579



56.8579, 50.7793, 83.1858



35.7130, 31.8839, 44.5217



8.5236, 8.4785, 10.6936



10.3144, 4.6530, 30.4915



0.3875, 0.1789, 0.9623

Inverse Universe

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



34.0349, 31.2127, 35.6849



59.0856, 52.4334, 60.4431



32.2341, 39.6553, 32.9881



8.6286, 8.5582, 9.5428



13.9394, 7.0933, 4.8410



0.4677, 0.2348, 0.3055

Previews

White Background



This preview shows how the XYZ color 33.0187, 30.4529, 46.2572 looks on a white background.

Color Contrast Check

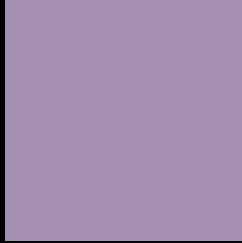
Large Text (above 18pt) WCAG AA × Fail

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 33.0187, 30.4529, 46.2572 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 33.0187, 30.4529, 46.2572

Background



This preview shows how black text looks on a background with the XYZ color 33.0187, 30.4529, 46.2572.



This preview shows how white text looks on a background with the XYZ color 33.0187, 30.4529,

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

33.0187, 30.4529, 46.2572

Protanopia

30.4500, 30.6646, 49.1137

Deuteranopia

31.1320, 30.6211, 45.8646



Tritanopia

31.0626, 30.5692, 36.1615

Trichromacy



Original Color

33.0187, 30.4529, 46.2572

Protanomaly

31.1971, 30.3780, 47.9353

Deuteranomaly

31.7715, 30.4930, 45.8062

Tritanomaly

31.8172, 30.6488, 39.8362

Monochromacy



Original Color

33.0187, 30.4529, 46.2572

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.1737, 31.2716, 38.5754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0187, 30.4529, 46.2572 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(164, 142, 178)` looks like.

```
.text, #text, p{  
    color:rgb(164, 142, 178)  
}
```

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(164, 142, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 142, 178) }
```

Border

The CSS property to change the border of an element to XYZ 33.0187, 30.4529, 46.2572 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(164, 142, 178) }
```


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

```
.border{ border-color:rgb(164, 142, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 142, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 142, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 142, 178);  
box-shadow:4px 4px 4px 4px rgb(164, 142,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0187, 30.4529, 46.2572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 142, 178) }
```

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

```
.background{ background-color: rgb(164,  
142, 178) }
```

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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