

Converting Colors

XYZ(29.4150, 20.3952, 42.3500)

Have a look what the booklet for
XYZ(29.4150, 20.3952, 42.3500)
contains.

XYZ(29.4114, 20.3544, 42.4230)	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(29.4114, 20.3544,
42.4230)**

Conversions

Conversions Part 1

Format	Color
Hex	AF5FAE
RGB	175, 95, 174
RGB Percent	69%, 37%, 68%
CMY	0.3137, 0.6274, 0.3176
CMYK	0.00, 0.46, 0.01, 0.31
HSL	301°, 33%, 53%
HSV	301°, 46%, 69%
XYZ	29.4114, 20.3544, 42.4230
YIQ	127.9260, 22.3210, 41.5290

Conversions

Conversions Part 2

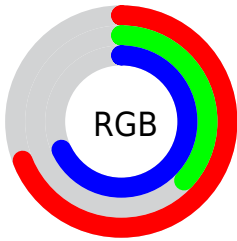
Format	Color
RYB	175, 95, 174
Decimal	11493294
CIELab	52.24, 44.07, -28.43
CIELCh	52, 52.446, 327.177
Yxy	20.3544, 0.3190, 0.2208
Android (android.graphics.Color)	4289683374 (0xFFAF5FAE)
YUV	127.9260, 22.7145, 41.2839
Hunter-Lab	45.1159, 37.4129, -24.1700

Details

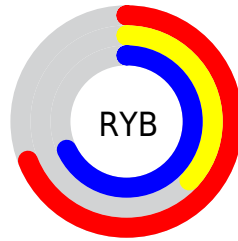
The XYZ color **29.4114, 20.3544, 42.4230** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **22.1615, 33.9382, 16.4502**, and the grayscale version is **20.4113, 21.4742, 23.3854**.

A 20% lighter version of the original color is **58.1515, 44.0488, 80.3003**, and **12.0976, 7.1749, 18.8364** is the 20% darker color. If you saturate the color by 10%, you get **27.9875, 17.5402, 41.8433**, and if you desaturate by 10%, it is **31.1908, 23.8786, 43.1217**.

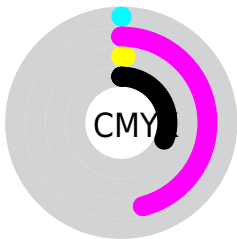
Distribution



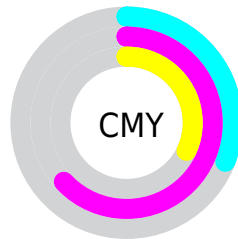
- Red (69%)
- Green (37%)
- Blue (68%)



- Red (69%)
- Yellow (37%)
- Blue (68%)



- Cyan (0%)
- Magenta (46%)
- Yellow (1%)
- Black (31%)



- Cyan (31%)
- Magenta (63%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4114, 20.3544, 42.4230 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 29.4114, 20.3544, 42.4230 by changing the saturation by 10% instead.

■ 29.4114, 20.3544,
42.4230

■ 29.4114, 20.3544,
42.4230

291.1104,
253.8273, 372.0847

■ 19.5381, 12.6529,
29.1046

■ 58.1231, 44.0106,
80.1164

■ 12.1660, 7.1900,
18.9137

■ 77.6923, 60.7340,
105.3285

■ 6.9299, 3.5812,
11.4318

■ 101.2241, 81.2336,
135.3423

■ 3.4642, 1.4422,
6.2402

■ 129.0839,
105.8938, 170.5762

■ 1.4037, 0.2475,
2.9206

161.6371,
135.0988, 211.4489

■ 0.2589, 0.0000,
1.0542

199.2490,

■ 0.0000, 0.0000,

169.2331, 258.3788

0.0000

242.2850,
208.6812, 311.7846

■ 29.4114, 20.3544,
42.4230

■ 29.4114, 20.3544,
42.4230

■ 27.9875, 17.5402,
41.8433

■ 31.1908, 23.8786,
43.1217

■ 26.8929, 15.3852,
41.3734

■ 33.3455, 28.1537,
43.9455

■ 26.1016, 13.8365,
41.0048

■ 35.8961, 33.2205,
44.9014

■ 25.5821, 12.8315,
40.7269

■ 38.8612, 39.1164,
45.9957

■ 25.2946, 12.2905,
40.5266

■ 42.2582, 45.8761,
47.2341

■ 25.2041, 12.1240,
40.4516

■ 46.1037, 53.5325,
48.6222

■ 50.4131, 62.1168,
50.1651

■ 55.2012, 71.6586,
51.8677

■ 60.4824, 82.1862,
53.7349

Harmonies

Analogous

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



24.4685, 20.3544, 60.3680



29.4114, 20.3544, 42.4230



31.6330, 20.3544, 23.6545

Triad

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



29.4114, 20.3544, 42.4230



19.8604, 20.3544, 3.7838



11.5229, 20.3544, 38.6432

Complementary

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



29.4114, 20.3544, 42.4230



22.1615, 33.9382, 16.4502

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.



10.7413, 20.3544, 20.7345



29.4114, 20.3544, 42.4230



14.9939, 20.3544, 4.8697

Square

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



29.4114, 20.3544, 42.4230



25.5156, 20.3544, 5.4208



11.8875, 20.3544, 9.6661



14.2613, 20.3544, 57.5654

Rectangle

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



29.4114, 20.3544, 42.4230



31.0139, 20.3544, 14.5111



11.8875, 20.3544, 9.6661



11.0475, 20.3544, 32.1185

Sweetspot

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



29.4121, 20.3553, 42.4234



65.0210, 60.9537, 80.6879



16.5503, 13.7135, 42.3327



14.2176, 13.0825, 17.8468



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



29.4121, 20.3553, 42.4234



50.0704, 31.3081, 74.9165



26.1454, 19.0486, 25.2214



8.3327, 8.1463, 10.0628



18.0510, 8.6830, 28.9779



0.5035, 0.2421, 0.8132

Inverse Universe

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



29.4121, 20.3553, 42.4234



50.0704, 31.3081, 74.9165



24.4233, 34.8429, 28.3608



8.3327, 8.1463, 10.0628



18.0510, 8.6830, 28.9779



0.5035, 0.2421, 0.8132

Previews

White Background



This preview shows how the XYZ color 29.4114, 20.3544, 42.4230 looks on a white background.

Color Contrast Check

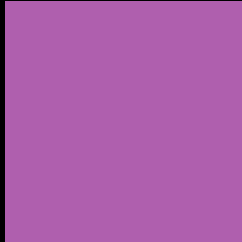
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.4114, 20.3544, 42.4230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

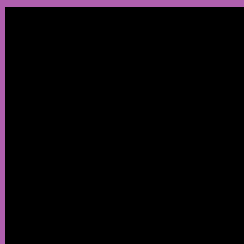
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.4114, 20.3544, 42.4230

Background



This preview shows how black text looks on a background with the XYZ color 29.4114, 20.3544, 42.4230.



This preview shows how white text looks on a background with the XYZ color 29.4114, 20.3544,

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

29.4114, 20.3544, 42.4230

Protanopia

22.0908, 20.7385, 55.6619

Deuteranopia

20.9265, 20.4752, 40.3853



Tritanopia

24.6634, 20.3109, 19.1435

Trichromacy



Original Color

29.4114, 20.3544, 42.4230

Protanomaly

23.5479, 19.8444, 50.7333

Deuteranomaly

23.2475, 19.9014, 41.1442

Tritanomaly

26.1602, 20.1646, 26.1803

Monochromacy



Original Color

29.4114, 20.3544, 42.4230

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

23.0333, 20.5549, 29.5416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4114, 20.3544, 42.4230 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(175, 95, 174)` looks like.

```
.text, #text, p{  
    color:rgb(175, 95, 174)  
}
```

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(175, 95, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 95, 174) }
```

Border

The CSS property to change the border of an element to XYZ 29.4114, 20.3544, 42.4230 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(175, 95, 174) }
```


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

```
.border{ border-color:rgb(175, 95, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 95, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 95, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 95, 174);  
box-shadow:4px 4px 4px 4px rgb(175, 95,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4114, 20.3544, 42.4230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 95, 174) }
```

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

```
.background{ background-color: rgb(175, 95,  
174) }
```

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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