

Converting Colors

XYZ(29.9626, 30.8276, 42.6472)

Have a look what the booklet for
XYZ(29.9626, 30.8276, 42.6472)
contains.

XYZ(29.8391, 30.7347, 42.3899)	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(29.8391, 30.7347,
42.3899)**

Conversions

Conversions Part 1

Format	Color
Hex	9196AA
RGB	145, 150, 170
RGB Percent	57%, 59%, 67%
CMY	0.4314, 0.4118, 0.3333
CMYK	0.15, 0.12, 0.00, 0.33
HSL	228°, 13%, 62%
HSV	228°, 15%, 67%
XYZ	29.8391, 30.7347, 42.3899
YIQ	150.7850, -9.4000, 5.1600

Conversions

Conversions Part 2

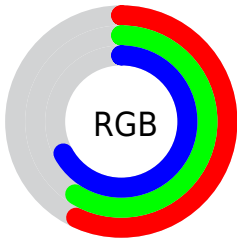
Format	Color
R_{YB}	145, 149, 170
Decimal	9541290
CIE _{Lab}	62.28, 2.40, -11.07
CIE _{LCh}	62, 11.323, 282.216
Yxy	30.7347, 0.2898, 0.2985
Android (android.graphics.Color)	4287731370 (0xFF9196AA)
YUV	150.7850, 9.4730, -5.0734
Hunter-Lab	55.4389, -0.9433, -6.5273

Details

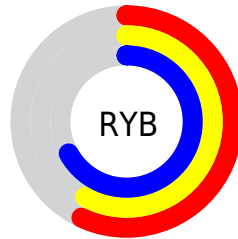
The XYZ color **29.8391, 30.7347, 42.3899** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.1437, 37.5006, 32.1748**, and the grayscale version is **29.2880, 30.8132, 33.5556**.

A 20% lighter version of the original color is **58.7367, 60.7641, 79.8671**, and **12.3479, 12.6114, 18.9230** is the 20% darker color. If you saturate the color by 10%, you get **25.0194, 25.2141, 41.5788**, and if you desaturate by 10%, it is **35.3608, 36.9926, 43.3073**.

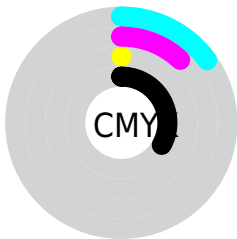
Distribution



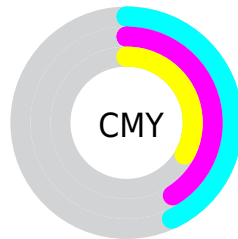
- Red (57%)
- Green (59%)
- Blue (67%)



- Red (57%)
- Yellow (58%)
- Blue (67%)



- Cyan (15%)
- Magenta (12%)
- Yellow (0%)
- Black (33%)



- Cyan (43%)
- Magenta (41%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8391, 30.7347, 42.3899 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 29.8391, 30.7347, 42.3899 by changing the saturation by 10% instead.

■ 29.8391, 30.7347,
42.3899

■ 29.8391, 30.7347,
42.3899

293.0770,
305.3142, 371.9439

■ 19.8640, 20.3969,
29.0789

■ 58.7960, 60.8221,
80.0658

■ 12.4039, 12.6839,
18.8944

■ 78.5085, 81.3406,
105.2678

■ 7.0935, 7.2112,
11.4180

102.1974,
106.0214, 135.2705

■ 3.5675, 3.5946,
6.2310

130.2283,
135.2489, 170.4925

■ 1.4605, 1.4495,
2.9150

162.9663,
169.4075, 211.3523

■ 0.2987, 0.2527,
1.0514

200.7768,

■ 0.0000, 0.0000,

208.8817, 258.2684

0.0000

244.0253,
254.0558, 311.6595

■ 29.8391, 30.7347,
42.3899

■ 29.8391, 30.7347,
42.3899

■ 25.0194, 25.2141,
41.5788

■ 35.3608, 36.9926,
43.3073

■ 20.8704, 20.3997,
40.8682

■ 41.6085, 44.0100,
44.3325

■ 17.3628, 16.2635,
40.2547

■ 48.6085, 51.8127,
45.4696

■ 14.4637, 12.7745,
39.7341

■ 56.3847, 60.4243,
46.7220

■ 12.1373, 9.8990,
39.3017

■ 64.9604, 69.8673,
48.0926

■ 10.3441, 7.6000,
38.9524

■ 74.3575, 80.1632,
49.5847

■ 9.0391, 5.8364,
38.6808

■ 81.2073, 89.5854,
51.0423

■ 8.1688, 4.5610,
38.4805

■ 84.2558, 95.6823,
52.0585

■ 7.8282, 4.0471,
38.3993

Harmonies

Analogous

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



28.3234, 30.7347, 42.1425



29.8391, 30.7347, 42.3899



31.2333, 30.7347, 40.0982

Triad

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



29.8391, 30.7347, 42.3899



31.4450, 30.7347, 28.1187



26.5006, 30.7347, 30.9577

Complementary

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



29.8391, 30.7347, 42.3899



35.1437, 37.5006, 32.1748

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.



27.2806, 30.7347, 27.6066



29.8391, 30.7347, 42.3899



30.1199, 30.7347, 26.0686

Square

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



29.8391, 30.7347, 42.3899



32.1820, 30.7347, 31.7142



28.5946, 30.7347, 25.8897



26.4314, 30.7347, 35.2788

Rectangle

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



29.8391, 30.7347, 42.3899



31.8922, 30.7347, 37.5464



28.5946, 30.7347, 25.8897



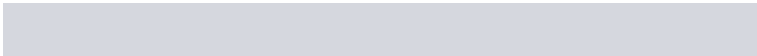
26.6871, 30.7347, 29.6904

Sweetspot

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



29.8400, 30.7360, 42.3906



64.8355, 67.8828, 78.6874



32.8060, 37.4712, 40.9029



14.2823, 14.9393, 17.5185



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



29.8400, 30.7360, 42.3906



50.8297, 51.9873, 76.3574



30.3462, 29.8372, 42.1904



7.2489, 7.5346, 9.4906



5.7914, 3.0429, 28.2576



0.1742, 0.1405, 0.6986

Inverse Universe

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



32.2087, 30.9996, 33.1415



56.0733, 52.6414, 55.8671



34.5733, 38.5721, 32.4117



7.5902, 7.5659, 8.1592



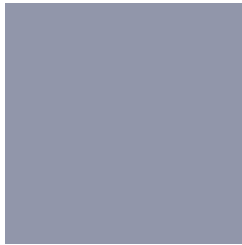
12.4238, 6.3782, 1.7774



0.3191, 0.1619, 0.1316

Previews

White Background



This preview shows how the XYZ color 29.8391, 30.7347, 42.3899 looks on a white background.

Color Contrast Check

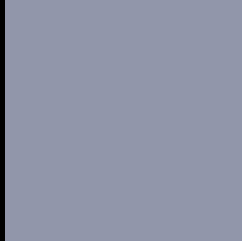
Large Text (above 18pt) WCAG AA × Fail

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 29.8391, 30.7347, 42.3899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

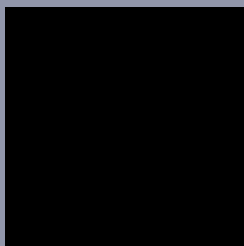
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

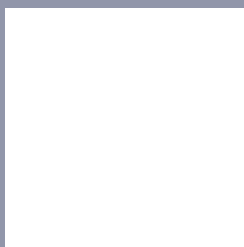
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.8391, 30.7347, 42.3899

Background



This preview shows how black text looks on a background with the XYZ color 29.8391, 30.7347, 42.3899.



This preview shows how white text looks on a background with the XYZ color 29.8391, 30.7347,

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

29.8391, 30.7347, 42.3899

Protanopia

30.0358, 30.6002, 42.3536

Deuteranopia

31.4947, 30.8756, 42.8277



Tritanopia

29.1791, 30.7069, 39.0394

Trichromacy



Original Color

29.8391, 30.7347, 42.3899

Protanomaly

29.8572, 30.5082, 42.3452

Deuteranomaly

30.8895, 30.7955, 42.8441

Tritanomaly

29.4511, 30.8157, 40.4722

Monochromacy



Original Color

29.8391, 30.7347, 42.3899

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.6326, 30.9914, 36.7679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8391, 30.7347, 42.3899 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(145, 150, 170)` looks like.

```
.text, #text, p{  
    color:rgb(145, 150, 170)  
}
```

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(145, 150, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 150, 170) }
```

Border

The CSS property to change the border of an element to XYZ 29.8391, 30.7347, 42.3899 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(145, 150, 170) }
```


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

```
.border{ border-color:rgb(145, 150, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 150, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 150, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 150, 170);  
box-shadow:4px 4px 4px 4px rgb(145, 150,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8391, 30.7347, 42.3899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 150, 170) }
```

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

```
.background{ background-color: rgb(145,  
150, 170) }
```

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