

Converting Colors

XYZ(20.3101, 14.3367, 29.5525)

Have a look what the booklet for
XYZ(20.3101, 14.3367, 29.5525)
contains.

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Color

**XYZ(20.3952, 14.3757,
29.7168)**

Conversions

Conversions Part 1

Format	Color
Hex	935294
RGB	147, 82, 148
RGB Percent	58%, 32%, 58%
CMY	0.4235, 0.6784, 0.4196
CMYK	0.01, 0.45, 0.00, 0.42
HSL	299°, 29%, 45%
HSV	299°, 45%, 58%
XYZ	20.3952, 14.3757, 29.7168
YIQ	108.9590, 17.5540, 34.3060

Conversions

Conversions Part 2

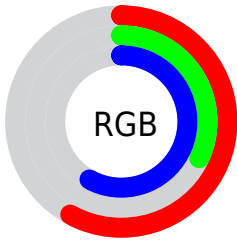
Format	Color
R_{YB}	147, 82, 148
Decimal	9654932
CIE _{Lab}	44.77, 37.41, -24.96
CIE _{LCh}	45, 44.976, 326.292
Yxy	14.3757, 0.3163, 0.2229
Android (android.graphics.Color)	4287845012 (0xFF935294)
YUV	108.9590, 19.2472, 33.3620
Hunter-Lab	37.9153, 29.6660, -19.9289

Details

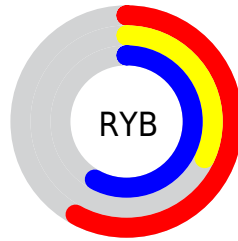
The XYZ color **20.3952, 14.3757, 29.7168** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **15.6806, 23.6283, 11.7175**, and the grayscale version is **14.4683, 15.2218, 16.5765**.

A 20% lighter version of the original color is **43.4053, 33.5959, 60.0741**, and **7.4208, 4.3837, 11.7643** is the 20% darker color. If you saturate the color by 10%, you get **19.3573, 12.3591, 29.3825**, and if you desaturate by 10%, it is **21.6749, 16.8751, 30.1320**.

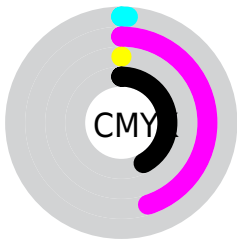
Distribution



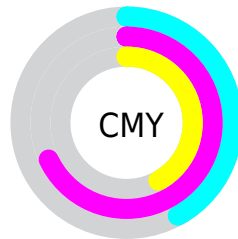
- Red (58%)
- Green (32%)
- Blue (58%)



- Red (58%)
- Yellow (32%)
- Blue (58%)



- Cyan (1%)
- Magenta (45%)
- Yellow (0%)
- Black (42%)



- Cyan (42%)
- Magenta (68%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3952, 14.3757, 29.7168 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 20.3952, 14.3757, 29.7168 by changing the saturation by 10% instead.

■ 20.3952, 14.3757,
29.7168

■ 20.3952, 14.3757,
29.7168

246.8396,
219.5557, 314.7483

■ 12.7926, 8.3824,
19.3735

■ 43.5777, 33.7542,
60.2697

■ 7.3619, 4.3406,
11.7609

■ 59.8883, 47.9082,
81.3164

■ 3.7378, 1.8659,
6.4606

■ 79.8322, 65.5512,
106.7680

■ 1.5549, 0.5277,
3.0538

■ 103.7748, 87.0677,
137.0431

■ 0.3627, 0.0000,
1.1222

■ 132.0815,
112.8420, 172.5601

■ 0.0000, 0.0000,
0.0000

165.1176,

143.2585, 213.7376

203.2486,
178.7016, 260.9941

■ 20.3952, 14.3757,
29.7168

■ 20.3952, 14.3757,
29.7168

■ 19.3573, 12.3591,
29.3825

■ 21.6749, 16.8751,
30.1320

■ 18.5440, 10.7920,
29.1229

■ 23.2092, 19.8838,
30.6319

■ 17.9384, 9.6403,
28.9325

■ 25.0116, 23.4287,
31.2211

■ 17.5205, 8.8637,
28.8046

■ 27.0944, 27.5342,
31.9038

■ 17.2650, 8.4119,
28.7309

■ 29.4691, 32.2234,
32.6837

■ 17.1567, 8.2271,
28.7009

■ 32.1465, 37.5179,
33.5645

■ 35.1369, 43.4382,
34.5497

■ 38.4500, 50.0040,
35.6424

■ 42.0953, 57.2340,
36.8458

Harmonies

Analogous

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



17.0245, 14.3757, 41.5739



20.3952, 14.3757, 29.7168



21.9600, 14.3757, 16.9931

Triad

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



20.3952, 14.3757, 29.7168



14.1240, 14.3757, 2.9235



8.2748, 14.3757, 26.3870

Complementary

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



20.3952, 14.3757, 29.7168



15.6806, 23.6283, 11.7175

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.



7.7745, 14.3757, 14.3847



20.3952, 14.3757, 29.7168



10.7771, 14.3757, 3.6432

Square

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



20.3952, 14.3757, 29.7168



17.9540, 14.3757, 4.1591



8.6049, 14.3757, 6.9190



10.1178, 14.3757, 39.1231

Rectangle

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



20.3952, 14.3757, 29.7168



21.5945, 14.3757, 10.6514



8.6049, 14.3757, 6.9190



7.9599, 14.3757, 22.0159

Sweetspot

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



20.3957, 14.3763, 29.7171



44.5923, 42.2461, 55.2386



11.9264, 10.1344, 29.3447



10.0191, 9.3281, 12.5573



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



20.3957, 14.3763, 29.7171



34.0761, 21.6547, 51.8184



18.3887, 13.5943, 18.2088



6.0267, 5.9048, 7.2918



14.6567, 7.0284, 24.5152



0.1816, 0.0872, 0.3002

Inverse Universe

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



16.7918, 12.9556, 9.7998



26.8623, 18.8145, 11.7860



17.1016, 24.1866, 19.6574



5.8041, 5.8167, 6.0748



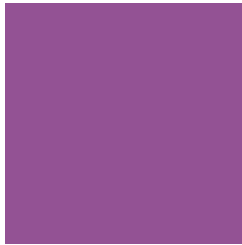
10.4431, 5.3823, 0.5483



0.1285, 0.0662, 0.0104

Previews

White Background



This preview shows how the XYZ color 20.3952, 14.3757, 29.7168 looks on a white 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

Black Background



This preview shows how the XYZ color 20.3952, 14.3757, 29.7168 looks on a black 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

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

XYZ 20.3952, 14.3757, 29.7168

Background



This preview shows how black text looks on a background with the XYZ color 20.3952, 14.3757, 29.7168.



This preview shows how white text looks on a background with the XYZ color 20.3952, 14.3757,

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

20.3952, 14.3757, 29.7168

Protanopia

15.4894, 14.5386, 38.0662

Deuteranopia

14.9095, 14.6036, 28.4185



Tritanopia

17.1991, 14.4115, 13.9318

Trichromacy



Original Color

20.3952, 14.3757, 29.7168

Protanomaly

16.5043, 13.9947, 34.6323

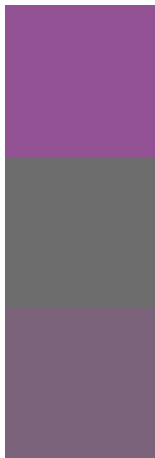
Deuteranomaly

16.4558, 14.2386, 28.6691

Tritanomaly

18.1110, 14.2688, 18.6292

Monochromacy



Original Color

20.3952, 14.3757, 29.7168

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

16.2054, 14.5647, 20.6960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3952, 14.3757, 29.7168 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(147, 82, 148)` looks like.

```
.text, #text, p{  
    color:rgb(147, 82, 148)  
}
```

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(147, 82, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 82, 148) }
```

Border

The CSS property to change the border of an element to XYZ 20.3952, 14.3757, 29.7168 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(147, 82, 148) }
```


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

```
.border{ border-color:rgb(147, 82, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 82, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 82, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 82, 148);  
box-shadow:4px 4px 4px 4px rgb(147, 82,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3952, 14.3757, 29.7168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 82, 148) }
```

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

```
.background{ background-color: rgb(147, 82,  
148) }
```

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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