

Converting Colors

XYZ(20.2479, 13.3012, 32.0721)

Have a look what the booklet for
XYZ(20.2479, 13.3012, 32.0721)
contains.

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Color

**XYZ(20.2479, 13.3012,
32.0721)**

Conversions

Conversions Part 1

Format	Color
Hex	93499A
RGB	147, 73, 154
RGB Percent	58%, 29%, 60%
CMY	0.4235, 0.7137, 0.3961
CMYK	0.05, 0.53, 0.00, 0.40
HSL	295°, 36%, 45%
HSV	295°, 53%, 60%
XYZ	20.2479, 13.3012, 32.0721
YIQ	104.3600, 18.1030, 40.8790

Conversions

Conversions Part 2

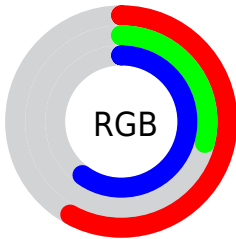
Format	Color
RYB	147, 73, 154
Decimal	9652634
CIELab	43.21, 43.39, -30.98
CIElCh	43, 53.312, 324.473
Yxy	13.3012, 0.3086, 0.2027
Android (android.graphics.Color)	4287842714 (0xFF93499A)
YUV	104.3600, 24.4725, 37.3953
Hunter-Lab	36.4708, 35.2759, -26.6095

Details

The XYZ color **20.2479, 13.3012, 32.0721** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **16.0669, 25.2981, 10.3401**, and the grayscale version is **13.1880, 13.8748, 15.1097**.

A 20% lighter version of the original color is **43.4708, 31.9672, 64.2007**, and **7.2825, 3.8753, 12.9346** is the 20% darker color. If you saturate the color by 10%, you get **19.1215, 11.4002, 31.7647**, and if you desaturate by 10%, it is **21.6286, 15.7059, 32.4637**.

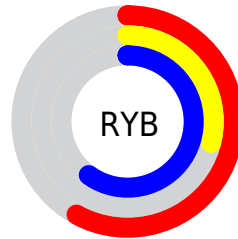
Distribution



Red (58%)

Green (29%)

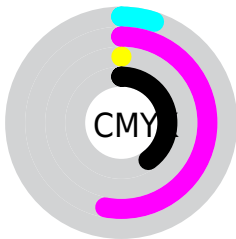
Blue (60%)



Red (58%)

Yellow (29%)

Blue (60%)

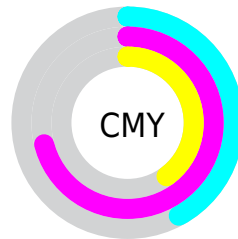


Cyan (5%)

Magenta (53%)

Yellow (0%)

Black (40%)



Cyan (42%)


Magenta (71%)


Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2479, 13.3012, 32.0721 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 20.2479, 13.3012, 32.0721 by changing the saturation by 10% instead.


 20.2479, 13.3012,
32.0721


 20.2479, 13.3012,
32.0721

246.0621,
212.8391, 325.9504


 12.6847, 7.6363,
21.1513


 43.3332, 31.8439,
64.0233


 7.2873, 3.8631,
13.0423


 59.5860, 45.4904,
85.8908


 3.6903, 1.5973,
7.3266


 79.4660, 62.5662,
112.2443

 1.5285, 0.3558,
3.5857

 103.3386, 83.4558,
143.5023

 0.3451, 0.0000,
1.4009

 131.5692,
108.5435, 180.0834

 0.0000, 0.0000,
0.1424

164.5230,

 0.0000, 0.0000,

138.2136, 222.4061

0.0000

202.5655,
172.8507, 270.8889

■ 20.2479, 13.3012,
32.0721

■ 20.2479, 13.3012,
32.0721

■ 19.1215, 11.4002,
31.7647

■ 21.6286, 15.7059,
32.4637

■ 18.2290, 9.9634,
31.5344

■ 23.2790, 18.6463,
32.9442

■ 17.5494, 8.9484,
31.3743

■ 25.2151, 22.1539,
33.5192

■ 17.0573, 8.3042,
31.2759

■ 27.4512, 26.2574,
34.1934

■ 16.7651, 7.9689,
31.2266

■ 30.0006, 30.9832,
34.9712

■ 32.8757, 36.3564,
35.8568

■ 36.0884, 42.4006,
36.8542

■ 39.6500, 49.1383,
37.9670

■ 43.5711, 56.5909,
39.1988

Harmonies

Analogous

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



16.2164, 13.3012, 46.5025



20.2479, 13.3012, 32.0721



22.2808, 13.3012, 16.7798

Triad

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



20.2479, 13.3012, 32.0721



13.4209, 13.3012, 1.6040



6.7159, 13.3012, 26.0616

Complementary

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



20.2479, 13.3012, 32.0721



16.0669, 25.2981, 10.3401

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.



6.2828, 13.3012, 12.4055



20.2479, 13.3012, 32.0721



9.6363, 13.3012, 2.0923

Square

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



20.2479, 13.3012, 32.0721



17.8273, 13.3012, 2.7535



7.2289, 13.3012, 4.8946



8.5750, 13.3012, 41.9065

Rectangle

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



20.2479, 13.3012, 32.0721



21.9692, 13.3012, 9.5203



7.2289, 13.3012, 4.8946



6.4184, 13.3012, 20.9253

Sweetspot

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



20.2484, 13.3018, 32.0724



48.2885, 44.7917, 61.6369



11.5308, 9.6499, 31.8270



10.7541, 9.8157, 13.8982



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.2484, 13.3018, 32.0724



34.4364, 20.2172, 57.6236



19.1975, 13.0309, 19.7866



6.4086, 6.2965, 7.8066



13.6738, 6.5001, 25.4417



0.2178, 0.1041, 0.3810

Inverse Universe

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



17.1574, 12.2148, 9.0433



28.3531, 18.1134, 10.7015



16.8741, 25.5562, 17.5167



6.2294, 6.2309, 6.5881



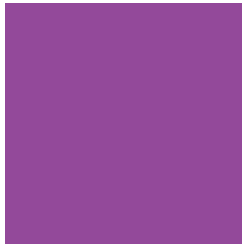
10.9245, 5.6240, 0.8614



0.1684, 0.0861, 0.0394

Previews

White Background



This preview shows how the XYZ color 20.2479, 13.3012, 32.0721 looks on a white background.

Color Contrast Check

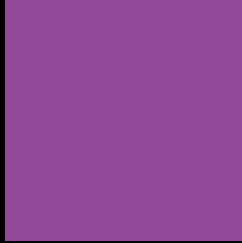
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2479, 13.3012, 32.0721 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 20.2479, 13.3012, 32.0721

Background



This preview shows how black text looks on a background with the XYZ color 20.2479, 13.3012, 32.0721.



This preview shows how white text looks on a background with the XYZ color 20.2479, 13.3012,

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

20.2479, 13.3012, 32.0721

Protanopia

14.9769, 13.5576, 43.9470

Deuteranopia

13.8323, 13.5575, 30.3216



Tritanopia

16.2027, 13.2946, 12.5386

Trichromacy



Original Color

20.2479, 13.3012, 32.0721

Protanomaly

15.7474, 12.7183, 39.1610

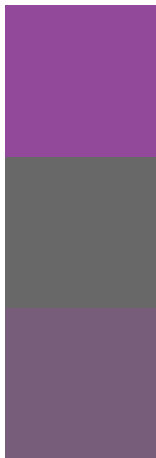
Deuteranomaly

15.3904, 12.8423, 30.9458

Tritanomaly

17.4010, 13.1983, 18.1534

Monochromacy



Original Color

20.2479, 13.3012, 32.0721

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

15.1729, 13.2269, 20.1657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2479, 13.3012, 32.0721 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, 73, 154)` looks like.

```
.text, #text, p{  
    color:rgb(147, 73, 154)  
}
```

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, 73, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 73, 154) }
```

Border

The CSS property to change the border of an element to XYZ 20.2479, 13.3012, 32.0721 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, 73, 154) }
```


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

```
.border{ border-color:rgb(147, 73, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 73, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 73, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 73, 154);  
box-shadow:4px 4px 4px 4px rgb(147, 73,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2479, 13.3012, 32.0721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 73, 154) }
```

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

```
.background{ background-color: rgb(147, 73,  
154) }
```

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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