

Converting Colors

XYZ(20.2873, 13.3319, 33.0630)

Have a look what the booklet for
XYZ(20.2873, 13.3319, 33.0630)
contains.

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Color

**XYZ(20.2374, 13.2764,
32.9485)**

Conversions

Conversions Part 1

Format	Color
Hex	92499C
RGB	146, 73, 156
RGB Percent	57%, 29%, 61%
CMY	0.4274, 0.7137, 0.3882
CMYK	0.06, 0.53, 0.00, 0.39
HSL	293°, 36%, 45%
HSV	293°, 53%, 61%
XYZ	20.2374, 13.2764, 32.9485
YIQ	104.2890, 16.8650, 41.2890

Conversions

Conversions Part 2

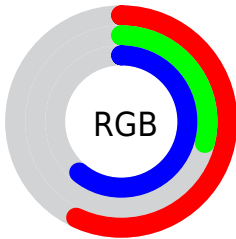
Format	Color
R_{YB}	146, 73, 156
Decimal	9587100
CIE _{Lab}	43.18, 43.49, -32.24
CIE _{LCh}	43, 54.143, 323.449
Yxy	13.2764, 0.3045, 0.1998
Android (android.graphics.Color)	4287777180 (0xFF92499C)
YUV	104.2890, 25.4935, 36.5805
Hunter-Lab	36.4368, 35.3765, -28.1081

Details

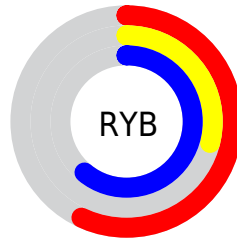
The XYZ color **20.2374, 13.2764, 32.9485** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **16.6588, 26.0973, 10.4632**, and the grayscale version is **13.1666, 13.8523, 15.0852**.

A 20% lighter version of the original color is **43.4486, 31.9269, 65.5005**, and **7.2811, 3.8630, 13.4586** is the 20% darker color. If you saturate the color by 10%, you get **19.0069, 11.3069, 32.6334**, and if you desaturate by 10%, it is **21.7315, 15.7640, 33.3501**.

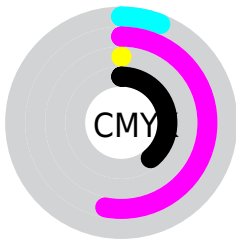
Distribution



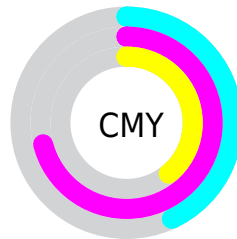
- Red (57%)
- Green (29%)
- Blue (61%)



- Red (57%)
- Yellow (29%)
- Blue (61%)



- Cyan (6%)
- Magenta (53%)
- Yellow (0%)
- Black (39%)



- Cyan (43%)
- Magenta (71%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2374, 13.2764, 32.9485 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 20.2374, 13.2764, 32.9485 by changing the saturation by 10% instead.

■ 20.2374, 13.2764,
32.9485

■ 20.2374, 13.2764,
32.9485

246.0066,
212.6816, 330.0425

■ 12.6770, 7.6192,
21.8162

■ 43.3158, 31.7995,
65.4102

■ 7.2820, 3.8522,
13.5249

■ 59.5644, 45.4341,
87.5767

■ 3.6870, 1.5913,
7.6560

■ 79.4399, 62.4966,
114.2583

■ 1.5266, 0.3517,
3.7910

■ 103.3075, 83.3714,
145.8736

■ 0.3438, 0.0000,
1.5114

■ 131.5326,
108.4429, 182.8412

■ 0.0000, 0.0000,
0.2264

164.4806,

■ 0.0000, 0.0000,

138.0955, 225.5795

0.0000

202.5168,
172.7136, 274.5071

■ 20.2374, 13.2764,
32.9485

■ 20.2374, 13.2764,
32.9485

■ 19.0069, 11.3069,
32.6334

■ 21.7315, 15.7640,
33.3501

■ 18.0188, 9.8146,
32.3974

■ 23.5052, 18.8033,
33.8433

■ 17.2512, 8.7552,
32.2334

■ 25.5752, 22.4267,
34.4336

■ 16.6774, 8.0753,
32.1324

■ 27.9563, 26.6640,
35.1259

■ 16.3512, 7.7361,
32.0841

■ 30.6622, 31.5428,
35.9250

■ 33.7059, 37.0889,
36.8351

■ 37.0998, 43.3268,
37.8603

■ 40.8554, 50.2797,
39.0044

■ 44.9839, 57.9699,
40.2711

Harmonies

Analogous

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



16.0942, 13.2764, 47.5150



20.2374, 13.2764, 32.9485



22.4038, 13.2764, 17.2433

Triad

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



20.2374, 13.2764, 32.9485



13.5579, 13.2764, 1.5278



6.5892, 13.2764, 25.6837

Complementary

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



20.2374, 13.2764, 32.9485



16.6588, 26.0973, 10.4632

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.



6.2008, 13.2764, 11.9861



20.2374, 13.2764, 32.9485



9.6836, 13.2764, 1.9535

Square

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



20.2374, 13.2764, 32.9485



18.0347, 13.2764, 2.7296



7.2017, 13.2764, 4.6255



8.4128, 13.2764, 41.9442

Rectangle

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



20.2374, 13.2764, 32.9485



22.1585, 13.2764, 9.7366



7.2017, 13.2764, 4.6255



6.3060, 13.2764, 20.4962

Sweetspot

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



20.2379, 13.2770, 32.9488



49.3676, 45.9103, 63.3864



11.9244, 10.1684, 32.7869



10.6811, 9.7781, 13.8948



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.



20.2379, 13.2770, 32.9488



34.1165, 19.9085, 59.1713



19.8313, 13.3287, 21.1204



6.8255, 6.7140, 8.3429



13.4875, 6.3821, 26.4282



0.2612, 0.1244, 0.4735

Inverse Universe

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



17.6546, 12.4581, 9.6583



29.1237, 18.3846, 11.5021



17.1066, 26.1818, 17.0989



6.6640, 6.6585, 7.0815



11.3959, 5.8629, 1.0697



0.2120, 0.1081, 0.0626

Previews

White Background



This preview shows how the XYZ color 20.2374, 13.2764, 32.9485 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 20.2374, 13.2764, 32.9485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

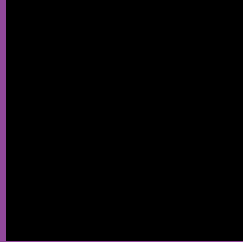
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.2374, 13.2764, 32.9485

Background



This preview shows how black text looks on a background with the XYZ color 20.2374, 13.2764, 32.9485.



This preview shows how white text looks on a background with the XYZ color 20.2374, 13.2764,

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

20.2374, 13.2764, 32.9485

Protanopia

15.0422, 13.5679, 45.0061

Deuteranopia

13.8170, 13.5309, 31.1617



Tritanopia

16.0365, 13.2089, 12.5308

Trichromacy



Original Color

20.2374, 13.2764, 32.9485

Protanomaly

15.7262, 12.6855, 40.1478

Deuteranomaly

15.3166, 12.7853, 31.7975

Tritanomaly

17.2886, 13.1336, 18.4534

Monochromacy



Original Color

20.2374, 13.2764, 32.9485

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

15.0973, 13.1807, 20.4873

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2374, 13.2764, 32.9485 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(146, 73, 156)` looks like.

```
.text, #text, p{  
    color:rgb(146, 73, 156)  
}
```

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(146, 73, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 73, 156) }
```

Border

The CSS property to change the border of an element to XYZ 20.2374, 13.2764, 32.9485 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(146, 73, 156) }
```


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

```
.border{ border-color:rgb(146, 73, 156) }
```

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

Here you see how a box with a 4 pixel rgb(146, 73, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 73, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 73, 156);  
box-shadow:4px 4px 4px 4px rgb(146, 73,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2374, 13.2764, 32.9485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 73, 156) }
```

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

```
.background{ background-color: rgb(146, 73,  
156) }
```

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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