

Converting Colors

XYZ(20.2574, 12.3383, 37.5746)

Have a look what the booklet for
XYZ(20.2574, 12.3383, 37.5746)
contains.

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Color

**XYZ(20.2179, 12.3493,
37.3944)**

Conversions

Conversions Part 1

Format	Color
Hex	9040A6
RGB	144, 64, 166
RGB Percent	56%, 25%, 65%
CMY	0.4353, 0.7490, 0.3490
CMYK	0.13, 0.61, 0.00, 0.35
HSL	287°, 44%, 45%
HSV	287°, 61%, 65%
XYZ	20.2179, 12.3493, 37.3944
YIQ	99.5480, 14.9380, 48.6820

Conversions

Conversions Part 2

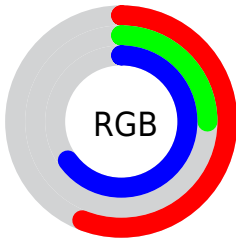
Format	Color
R_YB	144, 64, 166
Decimal	9453734
CIE _{Lab}	41.77, 49.48, -40.46
CIE _{LCh}	42, 63.918, 320.725
Yxy	12.3493, 0.2890, 0.1765
Android (android.graphics.Color)	4287643814 (0xFF9040A6)
YUV	99.5480, 32.7608, 38.9844
Hunter-Lab	35.1416, 41.1981, -38.4918

Details

The XYZ color **20.2179, 12.3493, 37.3944** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **18.3998, 29.6213, 9.5988**, and the grayscale version is **11.9157, 12.5363, 13.6520**.

A 20% lighter version of the original color is **43.2496, 30.0441, 72.6268**, and **7.2296, 3.4310, 15.9040** is the 20% darker color. If you saturate the color by 10%, you get **18.8020, 10.4307, 37.0989**, and if you desaturate by 10%, it is **21.9332, 14.8363, 37.7842**.

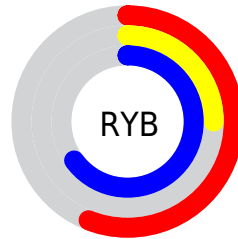
Distribution



Red (56%)

Green (25%)

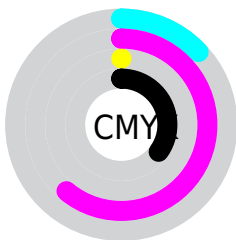
Blue (65%)



Red (56%)

Yellow (25%)

Blue (65%)

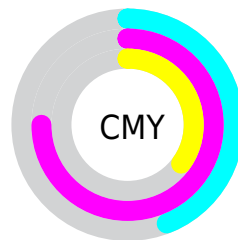


Cyan (13%)

Magenta (61%)

Yellow (0%)

Black (35%)



Cyan (44%)

Magenta (75%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2179, 12.3493, 37.3944 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 20.2179, 12.3493, 37.3944 by changing the saturation by 10% instead.

■ 20.2179, 12.3493,
37.3944

■ 20.2179, 12.3493,
37.3944

245.9034,
206.7042, 350.2349

■ 12.6627, 6.9820,
25.2148

■ 43.2834, 30.1297,
72.3720

■ 7.2721, 3.4509,
16.0167

■ 59.5244, 43.3116,
96.0072

■ 3.6807, 1.3714,
9.3815

■ 79.3913, 59.8672,
124.2980

■ 1.5231, 0.1955,
4.8906

■ 103.2497, 80.1809,
157.6629

■ 0.3415, 0.0000,
2.1256

■ 131.4647,
104.6371, 196.5205

■ 0.0000, 0.0000,
0.6310

164.4017,

■ 0.0000, 0.0000,

133.6201, 241.2894

0.0000

202.4262,
167.5143, 292.3880

■ 20.2179, 12.3493,
37.3944

■ 20.2179, 12.3493,
37.3944

■ 18.8020, 10.4307,
37.0989

■ 21.9332, 14.8363,
37.7842

■ 17.6582, 9.0278,
36.8884

■ 23.9691, 17.9351,
38.2751

■ 16.7567, 8.0805,
36.7531

■ 26.3464, 21.6867,
38.8739

■ 16.1191, 7.5146,
36.6774

■ 29.0836, 26.1280,
39.5869

■ 32.1979, 31.2931,
40.4197

■ 35.7055, 37.2139,
41.3777

■ 39.6214, 43.9203,
42.4657

■ 43.9598, 51.4405,
43.6886

■ 48.7343, 59.8016,
45.0508

Harmonies

Analogous

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



15.2359, 12.3493, 55.1008



20.2179, 12.3493, 37.3944



23.1100, 12.3493, 18.0652

Triad

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



20.2179, 12.3493, 37.3944



13.2557, 12.3493, 0.6242



5.1506, 12.3493, 24.8459

Complementary

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



20.2179, 12.3493, 37.3944



18.3998, 29.6213, 9.5988

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.



4.8857, 12.3493, 9.6905



20.2179, 12.3493, 37.3944



8.8205, 12.3493, 0.8549

Square

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



20.2179, 12.3493, 37.3944



18.4403, 12.3493, 1.7132



6.0385, 12.3493, 2.8143



6.8948, 12.3493, 45.0918

Rectangle

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



20.2179, 12.3493, 37.3944



23.0476, 12.3493, 9.1811



6.0385, 12.3493, 2.8143



4.9079, 12.3493, 18.8623

Sweetspot

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



20.2184, 12.3498, 37.3947



54.4663, 50.1907, 72.2924



12.3336, 10.5154, 37.4562



11.8465, 10.6684, 16.0870



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.2184, 12.3498, 37.3947



33.2514, 17.8236, 67.1630



22.0822, 13.5833, 25.1630



7.6812, 7.5838, 9.4773



12.5399, 5.8480, 28.4433



0.3435, 0.1621, 0.6938

Inverse Universe

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



19.2394, 12.4462, 10.1931



31.8586, 18.3308, 11.7452



17.7224, 29.1513, 15.0261



7.5949, 7.5678, 8.1839



12.4540, 6.3903, 1.9364



0.3208, 0.1626, 0.1408

Previews

White Background



This preview shows how the XYZ color 20.2179, 12.3493, 37.3944 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

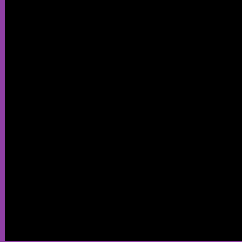
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.2179, 12.3493, 37.3944

Background



This preview shows how black text looks on a background with the XYZ color 20.2179, 12.3493, 37.3944.



This preview shows how white text looks on a background with the XYZ color 20.2179, 12.3493,

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

20.2179, 12.3493, 37.3944

Protanopia

14.8566, 12.7040, 54.4924

Deuteranopia

12.8569, 12.5185, 34.9964



Tritanopia

15.0118, 12.3380, 11.7155

Trichromacy



Original Color

20.2179, 12.3493, 37.3944



Protanomaly

14.7809, 11.3023, 47.8569



Deuteranomaly

14.2630, 11.5395, 35.6580



Tritanomaly

16.4649, 12.0429, 18.9095

Monochromacy



Original Color

20.2179, 12.3493, 37.3944



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

14.2487, 11.9846, 20.6311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2179, 12.3493, 37.3944 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(144, 64, 166)` looks like.

```
.text, #text, p{  
    color:rgb(144, 64, 166)  
}
```

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(144, 64, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 64, 166) }
```

Border

The CSS property to change the border of an element to XYZ 20.2179, 12.3493, 37.3944 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(144, 64, 166) }
```


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

```
.border{ border-color:rgb(144, 64, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 64, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 64, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 64, 166);  
box-shadow:4px 4px 4px 4px rgb(144, 64,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2179, 12.3493, 37.3944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 64, 166) }
```

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

```
.background{ background-color: rgb(144, 64,  
166) }
```

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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