

Converting Colors

XYZ(20.2961, 12.5209, 35.8166)

Have a look what the booklet for
XYZ(20.2961, 12.5209, 35.8166)
contains.

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Color

**XYZ(20.3552, 12.5359,
35.9972)**

Conversions

Conversions Part 1

Format	Color
Hex	9241A3
RGB	146, 65, 163
RGB Percent	57%, 25%, 64%
CMY	0.4274, 0.7451, 0.3608
CMYK	0.10, 0.60, 0.00, 0.36
HSL	290°, 43%, 45%
HSV	290°, 60%, 64%
XYZ	20.3552, 12.5359, 35.9972
YIQ	100.3910, 16.8180, 47.6500

Conversions

Conversions Part 2

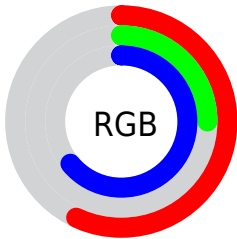
Format	Color
RYB	146, 65, 163
Decimal	9585059
CIELab	42.06, 48.91, -38.20
CIELCh	42, 62.055, 322.009
Yxy	12.5359, 0.2955, 0.1820
Android (android.graphics.Color)	4287775139 (0xFF9241A3)
YUV	100.3910, 30.8662, 39.9991
Hunter-Lab	35.4061, 40.6603, -35.4956

Details

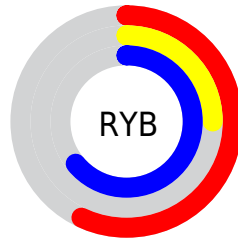
The XYZ color **20.3552, 12.5359, 35.9972** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **17.5314, 28.3702, 9.5535**, and the grayscale version is **12.1340, 12.7659, 13.9020**.

A 20% lighter version of the original color is **43.3733, 30.3411, 69.9001**, and **7.3371, 3.5315, 15.3339** is the 20% darker color. If you saturate the color by 10%, you get **19.0547, 10.6714, 35.7061**, and if you desaturate by 10%, it is **21.9391, 14.9479, 36.3795**.

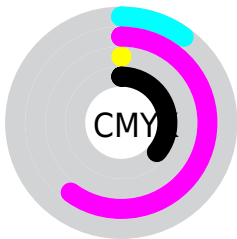
Distribution



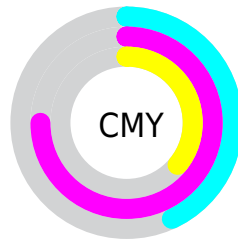
- Red (57%)
- Green (25%)
- Blue (64%)



- Red (57%)
- Yellow (25%)
- Blue (64%)



- Cyan (10%)
- Magenta (60%)
- Yellow (0%)
- Black (36%)





- Cyan (43%)
- Magenta (75%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3552, 12.5359, 35.9972 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 20.3552, 12.5359, 35.9972 by changing the saturation by 10% instead.


 20.3552, 12.5359,
35.9972


 20.3552, 12.5359,
35.9972


246.6287,
207.9215, 343.9853


 12.7633, 7.1098,
24.1424


 43.5113, 30.4674,
70.1967

 7.3416, 3.5308,
15.2261


 59.8062, 43.7416,
93.3785


 3.7249, 1.4147,
8.8298


 79.7328, 60.4006,
121.1730

 1.5477, 0.2276,
4.5351

 103.6564, 80.8288,
153.9988

 0.3579, 0.0000,
1.9232

 131.9425,
105.4106, 192.2744

 0.0000, 0.0000,
0.5075

164.9563,

 0.0000, 0.0000,

134.5304, 236.4183

0.0000

203.0633,
168.5726, 286.8491

■ 20.3552, 12.5359,
35.9972

■ 20.3552, 12.5359,
35.9972

■ 19.0547, 10.6714,
35.7061

■ 21.9391, 14.9479,
36.3795

■ 18.0120, 9.3048,
35.4972

■ 23.8262, 17.9479,
36.8591

■ 17.1995, 8.3803,
35.3616

■ 26.0360, 21.5748,
37.4427

■ 16.5585, 7.7725,
35.2781

■ 28.5861, 25.8632,
38.1360

■ 31.4925, 30.8456,
38.9445

■ 34.7706, 36.5520,
39.8732

■ 38.4344, 43.0108,
40.9268

■ 42.4976, 50.2489,
42.1097

■ 46.9729, 58.2917,
43.4262

Harmonies

Analogous

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



15.5552, 12.5359, 53.3058



20.3552, 12.5359, 35.9972



23.0253, 12.5359, 17.4914

Triad

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



20.3552, 12.5359, 35.9972



13.1902, 12.5359, 0.7730



5.4415, 12.5359, 25.5446

Complementary

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



20.3552, 12.5359, 35.9972



17.5314, 28.3702, 9.5535

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.



5.1161, 12.5359, 10.4158



20.3552, 12.5359, 35.9972



8.8923, 12.5359, 1.0494

Square

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



20.3552, 12.5359, 35.9972



18.2464, 12.5359, 1.8256



6.2054, 12.5359, 3.2278



7.2493, 12.5359, 45.0242

Rectangle

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



20.3552, 12.5359, 35.9972



22.8582, 12.5359, 9.0194



6.2054, 12.5359, 3.2278



5.1778, 12.5359, 19.6422

Sweetspot

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



20.3557, 12.5364, 35.9975



52.0777, 47.8205, 68.5416



11.8820, 9.9501, 35.9449



11.3887, 10.2171, 15.3094



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.3557, 12.5364, 35.9975



33.4767, 18.2319, 63.8108



21.1575, 13.2326, 23.2573



7.2432, 7.1398, 8.8994



12.9026, 6.0580, 27.4191



0.3010, 0.1427, 0.5775

Inverse Universe

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



18.5179, 12.1768, 9.3574



30.2955, 17.7670, 10.5726



17.3904, 28.1637, 15.5945



7.1216, 7.1051, 7.6268



11.9166, 6.1227, 1.4855



0.2636, 0.1339, 0.1009

Previews

White Background



This preview shows how the XYZ color 20.3552, 12.5359, 35.9972 looks on a white background.

Color Contrast Check

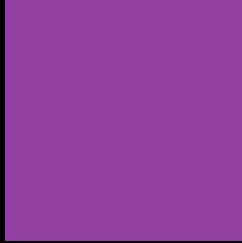
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3552, 12.5359, 35.9972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

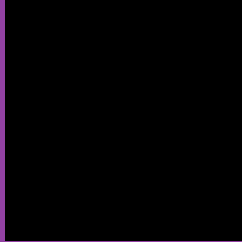
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.3552, 12.5359, 35.9972

Background



This preview shows how black text looks on a background with the XYZ color 20.3552, 12.5359, 35.9972.



This preview shows how white text looks on a background with the XYZ color 20.3552, 12.5359,

35.9972.

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

20.3552, 12.5359, 35.9972

Protanopia

14.8966, 12.9132, 52.1594

Deuteranopia

13.0972, 12.8139, 33.6813



Tritanopia

15.2902, 12.4866, 11.5018

Trichromacy



Original Color

20.3552, 12.5359, 35.9972



Protanomaly

15.0003, 11.5799, 45.7005



Deuteranomaly

14.5960, 11.8610, 34.3210



Tritanomaly

16.7505, 12.3086, 18.3226

Monochromacy



Original Color

20.3552, 12.5359, 35.9972



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

14.3195, 12.0284, 20.3059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3552, 12.5359, 35.9972 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, 65, 163)` looks like.

```
.text, #text, p{  
    color:rgb(146, 65, 163)  
}
```

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, 65, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 65, 163) }
```

Border

The CSS property to change the border of an element to XYZ 20.3552, 12.5359, 35.9972 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, 65, 163) }
```


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

```
.border{ border-color:rgb(146, 65, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 65, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 65, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 65, 163);  
box-shadow:4px 4px 4px 4px rgb(146, 65,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3552, 12.5359, 35.9972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 65, 163) }
```

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

```
.background{ background-color: rgb(146, 65,  
163) }
```

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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