

Converting Colors

XYZ(20.5671, 12.4328, 31.4530)

Have a look what the booklet for
XYZ(20.5671, 12.4328, 31.4530)
contains.

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Color

**XYZ(20.5554, 12.4097,
31.4489)**

Conversions

Conversions Part 1

Format	Color
Hex	993D99
RGB	153, 61, 153
RGB Percent	60%, 24%, 60%
CMY	0.4000, 0.7608, 0.4000
CMYK	0.00, 0.60, 0.00, 0.40
HSL	300°, 43%, 42%
HSV	300°, 60%, 60%
XYZ	20.5554, 12.4097, 31.4489
YIQ	98.9960, 25.3000, 48.1160

Conversions

Conversions Part 2

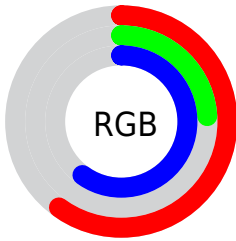
Format	Color
R_{YB}	153, 61, 153
Decimal	10042777
CIE _{Lab}	41.86, 50.73, -32.45
CIE _{LCh}	42, 60.215, 327.396
Yxy	12.4097, 0.3191, 0.1927
Android (android.graphics.Color)	4288232857 (0xFF993D99)
YUV	98.9960, 26.6240, 47.3615
Hunter-Lab	35.2274, 42.5079, -28.2714

Details

The XYZ color **20.5554, 12.4097, 31.4489** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **14.1586, 24.1121, 8.3234**, and the grayscale version is **11.7899, 12.4039, 13.5078**.

A 20% lighter version of the original color is **43.9808, 30.2903, 63.2031**, and **7.4946, 3.5922, 12.6103** is the 20% darker color. If you saturate the color by 10%, you get **19.8524, 11.0033, 31.2146**, and if you desaturate by 10%, it is **21.4924, 14.2832, 31.7614**.

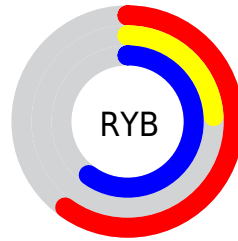
Distribution



Red (60%)

Green (24%)

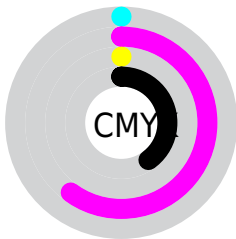
Blue (60%)



Red (60%)

Yellow (24%)

Blue (60%)

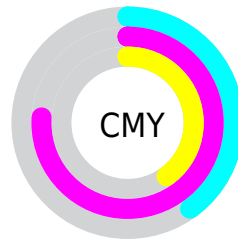


Cyan (0%)

Magenta (60%)

Yellow (0%)

Black (40%)



Cyan (40%)

Magenta (76%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5554, 12.4097, 31.4489 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 20.5554, 12.4097, 31.4489 by changing the saturation by 10% instead.

■ 20.5554, 12.4097,
31.4489

■ 20.5554, 12.4097,
31.4489

247.6828,
207.0991, 323.0161

■ 12.9100, 7.0233,
20.6796

■ 43.8433, 30.2391,
63.0340

■ 7.4432, 3.4767,
12.7010

■ 60.2165, 43.4510,
84.6868

■ 3.7896, 1.3854,
7.0947

■ 80.2297, 60.0401,
110.8046

■ 1.5838, 0.2059,
3.4421

■ 104.2482, 80.3910,
141.8058

■ 0.3818, 0.0000,
1.3245

■ 132.6374,
104.8879, 178.1090

■ 0.0000, 0.0000,
0.0818

165.7627,

■ 0.0000, 0.0000,

133.9153, 220.1328

0.0000

203.9894,
167.8575, 268.2956

■ 20.5554, 12.4097,
31.4489

■ 20.5554, 12.4097,
31.4489

■ 19.8524, 11.0033,
31.2146

■ 21.4924, 14.2832,
31.7614

■ 19.3614, 10.0215,
31.0509

■ 22.6799, 16.6583,
32.1573

■ 19.0591, 9.4169,
30.9501

■ 24.1347, 19.5678,
32.6423

■ 18.8868, 9.0723,
30.8926

■ 25.8716, 23.0417,
33.2213

■ 27.9045, 27.1075,
33.8990

■ 30.2463, 31.7910,
34.6796

■ 32.9090, 37.1164,
35.5672

■ 35.9041, 43.1067,
36.5657

■ 39.2426, 49.7837,
37.6786

Harmonies

Analogous

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



16.1792, 12.4097, 48.9576



20.5554, 12.4097, 31.4489



22.5538, 12.4097, 14.6543

Triad

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



20.5554, 12.4097, 31.4489



12.1874, 12.4097, 0.8403



5.7196, 12.4097, 28.1874

Complementary

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



20.5554, 12.4097, 31.4489



14.1586, 24.1121, 8.3234

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.



5.1534, 12.4097, 12.4307



20.5554, 12.4097, 31.4489



8.2844, 12.4097, 1.3506

Square

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



20.5554, 12.4097, 31.4489



17.0234, 12.4097, 1.6044



5.9625, 12.4097, 4.1511



7.7645, 12.4097, 46.3820

Rectangle

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



20.5554, 12.4097, 31.4489



21.9704, 12.4097, 7.4374



5.9625, 12.4097, 4.1511



5.3764, 12.4097, 22.2271

Sweetspot

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



20.5559, 12.4103, 31.4492



46.9384, 42.4765, 59.6966



9.3435, 6.6301, 30.9248



10.1626, 8.9756, 13.1143



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



20.5559, 12.4103, 31.4492



35.2230, 19.0458, 55.7910



17.4600, 11.1719, 15.1468



6.4612, 6.3237, 7.8090



15.6094, 7.4980, 25.5318



0.2334, 0.1121, 0.3817

Inverse Universe

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



20.5559, 12.4103, 31.4492



35.2230, 19.0458, 55.7910



15.9701, 24.8367, 17.8629



6.4612, 6.3237, 7.8090



15.6094, 7.4980, 25.5318



0.2334, 0.1121, 0.3817

Previews

White Background



This preview shows how the XYZ color 20.5554, 12.4097, 31.4489 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 20.5554, 12.4097, 31.4489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

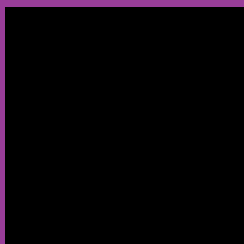
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.5554, 12.4097, 31.4489

Background



This preview shows how black text looks on a background with the XYZ color 20.5554, 12.4097, 31.4489.



This preview shows how white text looks on a background with the XYZ color 20.5554, 12.4097,

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

20.5554, 12.4097, 31.4489

Protanopia

14.4998, 12.8091, 47.6071

Deuteranopia

12.9527, 12.6925, 29.3710



Tritanopia

16.2254, 12.4289, 10.3480

Trichromacy



Original Color

20.5554, 12.4097, 31.4489

Protanomaly

14.8330, 11.4816, 40.9696

Deuteranomaly

14.6172, 11.7311, 29.9277

Tritanomaly

17.4098, 12.1868, 16.1865

Monochromacy



Original Color

20.5554, 12.4097, 31.4489

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

14.1860, 11.7508, 18.9732

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5554, 12.4097, 31.4489 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(153, 61, 153)` looks like.

```
.text, #text, p{  
    color:rgb(153, 61, 153)  
}
```

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(153, 61, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 61, 153) }
```

Border

The CSS property to change the border of an element to XYZ 20.5554, 12.4097, 31.4489 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(153, 61, 153) }
```


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

```
.border{ border-color:rgb(153, 61, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 61, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 61, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 61, 153);  
box-shadow:4px 4px 4px 4px rgb(153, 61,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5554, 12.4097, 31.4489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 61, 153) }
```

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

```
.background{ background-color: rgb(153, 61,  
153) }
```

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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