

Converting Colors

XYZ(20.0301, 12.4990, 25.3940)

Have a look what the booklet for
XYZ(20.0301, 12.4990, 25.3940)
contains.

XYZ(20.1311, 12.5697, 25.4099)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.1311, 12.5697,
25.4099)**

Conversions

Conversions Part 1

Format	Color
Hex	9C408A
RGB	156, 64, 138
RGB Percent	61%, 25%, 54%
CMY	0.3882, 0.7490, 0.4588
CMYK	0.00, 0.59, 0.12, 0.39
HSL	312°, 42%, 43%
HSV	312°, 59%, 61%
XYZ	20.1311, 12.5697, 25.4099
YIQ	99.9440, 31.0780, 42.5180

Conversions

Conversions Part 2

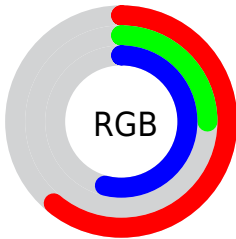
Format	Color
R_{YB}	156, 64, 138
Decimal	10240138
CIE _{Lab}	42.11, 47.58, -22.95
CIE _{LCh}	42, 52.825, 334.251
Yxy	12.5697, 0.3464, 0.2163
Android (android.graphics.Color)	4288430218 (0xFF9C408A)
YUV	99.9440, 18.7616, 49.1611
Hunter-Lab	35.4538, 39.3105, -17.6758

Details

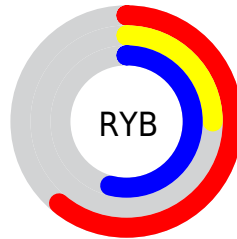
The XYZ color **20.1311, 12.5697, 25.4099** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **15.5264, 25.4765, 12.0828**, and the grayscale version is **12.0476, 12.6750, 13.8030**.

A 20% lighter version of the original color is **43.3163, 30.6745, 53.5069**, and **7.2518, 3.5511, 9.5357** is the 20% darker color. If you saturate the color by 10%, you get **19.1535, 10.9629, 24.0090**, and if you desaturate by 10%, it is **21.3618, 14.6723, 26.9260**.

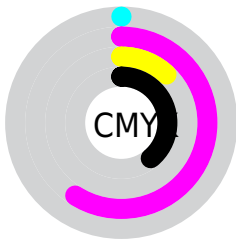
Distribution



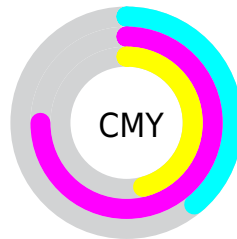
- Red (61%)
- Green (25%)
- Blue (54%)



- Red (61%)
- Yellow (25%)
- Blue (54%)



- Cyan (0%)
- Magenta (59%)
- Yellow (12%)
- Black (39%)



- Cyan (39%)
- Magenta (75%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1311, 12.5697, 25.4099 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 20.1311, 12.5697, 25.4099 by changing the saturation by 10% instead.

■ 20.1311, 12.5697,
25.4099

■ 20.1311, 12.5697,
25.4099

245.4440,
208.1412, 293.3859

■ 12.5992, 7.1329,
16.1609

■ 43.1391, 30.5285,
53.2938

■ 7.2282, 3.5454,
9.4825

■ 59.3460, 43.8194,
72.7657

■ 3.6528, 1.4226,
4.9561

■ 79.1752, 60.4970,
96.4824

■ 1.5077, 0.2333,
2.1633

■ 102.9921, 80.9459,
124.8624

■ 0.3310, 0.0000,
0.6530

■ 131.1621,
105.5503, 158.3242

■ 0.0000, 0.0000,
0.0000

164.0505,

134.6948, 197.2864

202.0227,
168.7636, 242.1674

■ 20.1311, 12.5697,
25.4099

■ 20.1311, 12.5697,
25.4099

■ 19.1535, 10.9629,
24.0090

■ 21.3618, 14.6723,
26.9260

■ 18.4065, 9.8080,
22.7154

■ 22.8632, 17.3062,
28.5631

■ 17.8661, 9.0561,
21.5207

■ 24.6524, 20.5059,
30.3273

■ 17.4802, 8.6038,
20.4074

■ 26.7451, 24.3023,
32.2240

■ 17.4426, 8.5608,
20.2953

■ 29.1556, 28.7241,
34.2582

■ 31.8974, 33.7982,
36.4348

■ 34.9832, 39.5498,
38.7580

■ 38.4250, 46.0030,
41.2323

■ 42.2342, 53.1804,
43.8615

Harmonies

Analogous

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



16.7266, 12.5697, 40.5129



20.1311, 12.5697, 25.4099



21.1822, 12.5697, 12.1433

Triad

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



20.1311, 12.5697, 25.4099



11.3955, 12.5697, 1.4592



6.7248, 12.5697, 29.8445

Complementary

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



20.1311, 12.5697, 25.4099



15.5264, 25.4765, 12.0828

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.



5.8831, 12.5697, 15.3547



20.1311, 12.5697, 25.4099



8.1777, 12.5697, 2.4576

Square

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



20.1311, 12.5697, 25.4099



15.5411, 12.5697, 1.9814



6.3500, 12.5697, 6.2712



8.9549, 12.5697, 43.9124

Rectangle

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



20.1311, 12.5697, 25.4099



20.2495, 12.5697, 6.5809



6.3500, 12.5697, 6.2712



6.2954, 12.5697, 24.6432

Sweetspot

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



20.1315, 12.5703, 25.4101



48.8288, 44.6003, 58.7476



11.2167, 7.8113, 32.3692



10.5022, 9.3724, 12.7143



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.



20.1315, 12.5703, 25.4101



34.2769, 19.1029, 42.7789



17.5259, 11.5281, 11.6892



6.8485, 6.7323, 8.0532



14.3795, 7.0564, 16.7814



0.2702, 0.1314, 0.3689

Inverse Universe

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



20.1315, 12.5703, 25.4101



34.2769, 19.1029, 42.7789



17.8254, 26.3961, 24.1892



6.8485, 6.7323, 8.0532



14.3795, 7.0564, 16.7814



0.2702, 0.1314, 0.3689

Previews

White Background



This preview shows how the XYZ color 20.1311, 12.5697, 25.4099 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

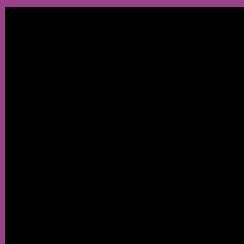
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.1311, 12.5697, 25.4099

Background



This preview shows how black text looks on a background with the XYZ color 20.1311, 12.5697, 25.4099.



This preview shows how white text looks on a background with the XYZ color 20.1311, 12.5697,

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

20.1311, 12.5697, 25.4099

Protanopia

13.9231, 12.8663, 37.8260

Deuteranopia

12.9462, 12.6766, 23.5943



Tritanopia

16.8634, 12.5573, 9.7186

Trichromacy



Original Color

20.1311, 12.5697, 25.4099

Protanomaly

14.9221, 11.9394, 32.9706

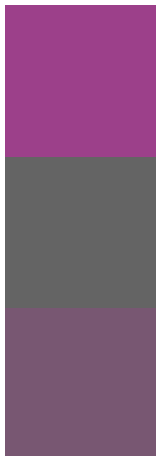
Deuteranomaly

14.7011, 12.0216, 24.0998

Tritanomaly

17.7796, 12.4198, 14.2921

Monochromacy



Original Color

20.1311, 12.5697, 25.4099

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

14.1912, 12.0244, 17.4926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1311, 12.5697, 25.4099 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(156, 64, 138)` looks like.

```
.text, #text, p{  
    color:rgb(156, 64, 138)  
}
```

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(156, 64, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 64, 138) }
```

Border

The CSS property to change the border of an element to XYZ 20.1311, 12.5697, 25.4099 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(156, 64, 138) }
```


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

```
.border{ border-color:rgb(156, 64, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 64, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 64, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 64, 138);  
box-shadow:4px 4px 4px 4px rgb(156, 64,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1311, 12.5697, 25.4099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 64, 138) }
```

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

```
.background{ background-color: rgb(156, 64,  
138) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor