

Converting Colors

XYZ(20.4465, 12.0701, 26.0942)

Have a look what the booklet for
XYZ(20.4465, 12.0701, 26.0942)
contains.

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Color

**XYZ(20.4459, 12.0927,
26.0675)**

Conversions

Conversions Part 1

Format	Color
Hex	9F388C
RGB	159, 56, 140
RGB Percent	62%, 22%, 55%
CMY	0.3765, 0.7804, 0.4510
CMYK	0.00, 0.65, 0.12, 0.38
HSL	311°, 48%, 42%
HSV	311°, 65%, 62%
XYZ	20.4459, 12.0927, 26.0675
YIQ	96.3730, 34.4240, 47.9600

Conversions

Conversions Part 2

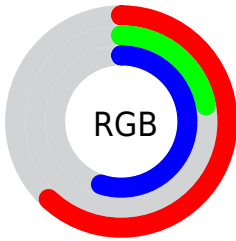
Format	Color
R_{YB}	159, 56, 140
Decimal	10434700
CIE _{Lab}	41.36, 52.33, -25.29
CIE _{LCh}	41, 58.123, 334.213
Yxy	12.0927, 0.3489, 0.2063
Android (android.graphics.Color)	4288624780 (0xFF9F388C)
YUV	96.3730, 21.5081, 54.9239
Hunter-Lab	34.7746, 44.0946, -20.1024

Details

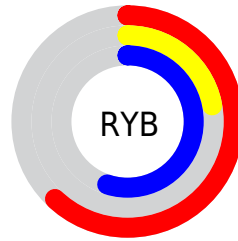
The XYZ color **20.4459, 12.0927, 26.0675** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **15.2996, 26.1455, 10.8977**, and the grayscale version is **11.1528, 11.7336, 12.7779**.

A 20% lighter version of the original color is **43.6324, 29.6458, 54.4615**, and **7.5544, 3.6812, 9.9852** is the 20% darker color. If you saturate the color by 10%, you get **19.5808, 10.7037, 24.7262**, and if you desaturate by 10%, it is **21.5624, 13.9746, 27.5212**.

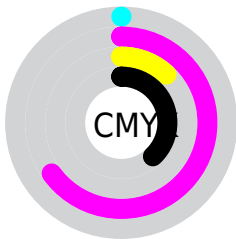
Distribution



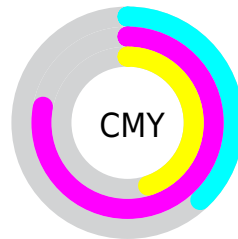
- Red (62%)
- Green (22%)
- Blue (55%)



- Red (62%)
- Yellow (22%)
- Blue (55%)



- Cyan (0%)
- Magenta (65%)
- Yellow (12%)
- Black (38%)





- Cyan (38%)
- Magenta (78%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4459, 12.0927, 26.0675 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 20.4459, 12.0927, 26.0675 by changing the saturation by 10% instead.


 20.4459, 12.0927,
26.0675


 20.4459, 12.0927,
26.0675


247.1067,
205.0180, 296.7293


 12.8297, 6.8068,
16.6479


 43.6618, 29.6638,
54.3692

 7.3876, 3.3416,
9.8245


 59.9922, 42.7179,
74.0885


 3.7541, 1.3126,
5.1787

 79.9581, 59.1301,
98.0780

 1.5640, 0.1509,
2.2919

 103.9247, 79.2850,
126.7564

 0.3688, 0.0000,
0.7267

 132.2576,
103.5668, 160.5422

 0.0000, 0.0000,
0.0000

 165.3220,

132.3600, 199.8539

203.4832,
166.0489, 245.1101

■ 20.4459, 12.0927,
26.0675

■ 20.4459, 12.0927,
26.0675

■ 19.5808, 10.7037,
24.7262

■ 21.5624, 13.9746,
27.5212

■ 18.9416, 9.7577,
23.4884

■ 22.9499, 16.3896,
29.0938

■ 18.4988, 9.1954,
22.3441

■ 24.6278, 19.3759,
30.7921

■ 18.3053, 8.9738,
21.7701

■ 26.6130, 22.9674,
32.6219

■ 28.9213, 27.1956,
34.5886

■ 31.5673, 32.0897,
36.6975

■ 34.5649, 37.6772,
38.9533

■ 37.9268, 43.9839,
41.3604

■ 41.6656, 51.0343,
43.9233

Harmonies

Analogous

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



16.6801, 12.0927, 43.2043



20.4459, 12.0927, 26.0675



21.6206, 12.0927, 11.5342

Triad

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



20.4459, 12.0927, 26.0675



10.9086, 12.0927, 0.9333



6.0094, 12.0927, 31.0071

Complementary

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



20.4459, 12.0927, 26.0675



15.2996, 26.1455, 10.8977

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.



5.1571, 12.0927, 14.9468



20.4459, 12.0927, 26.0675



7.5121, 12.0927, 1.7882

Square

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



20.4459, 12.0927, 26.0675



15.3928, 12.0927, 1.3744



5.6312, 12.0927, 5.4300



8.3159, 12.0927, 47.0802

Rectangle

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



20.4459, 12.0927, 26.0675



20.5844, 12.0927, 5.7567



5.6312, 12.0927, 5.4300



5.5729, 12.0927, 25.1664

Sweetspot

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



20.4463, 12.0933, 26.0677



49.8262, 45.0881, 60.2987



10.5653, 6.8233, 33.5615



10.9844, 9.7097, 13.3808



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



20.4463, 12.0933, 26.0677



34.4807, 18.2788, 43.2166



17.4999, 10.9147, 10.5522



6.8516, 6.7336, 8.0698



14.4721, 7.0934, 17.2690



0.2712, 0.1318, 0.3745

Inverse Universe

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



20.4463, 12.0933, 26.0677



34.4807, 18.2788, 43.2166



17.8203, 27.1538, 24.1713



6.8516, 6.7336, 8.0698



14.4721, 7.0934, 17.2690



0.2712, 0.1318, 0.3745

Previews

White Background



This preview shows how the XYZ color 20.4459, 12.0927, 26.0675 looks on a white background.

Color Contrast Check

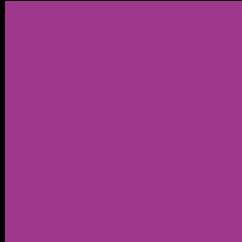
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4459, 12.0927, 26.0675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

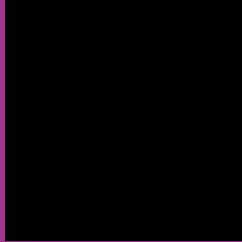
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.4459, 12.0927, 26.0675

Background



This preview shows how black text looks on a background with the XYZ color 20.4459, 12.0927, 26.0675.



This preview shows how white text looks on a background with the XYZ color 20.4459, 12.0927,

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

20.4459, 12.0927, 26.0675

Protanopia

13.8095, 12.4459, 41.7189

Deuteranopia

12.6023, 12.3453, 24.2729



Tritanopia

16.8946, 12.0875, 8.6504

Trichromacy



Original Color

20.4459, 12.0927, 26.0675



Protanomaly

14.3938, 11.0349, 35.5537



Deuteranomaly

14.4007, 11.3896, 24.7320



Tritanomaly

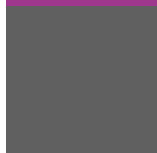
17.8737, 11.9225, 13.6711

Monochromacy



Original Color

20.4459, 12.0927, 26.0675



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

13.4748, 10.9766, 16.7377

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4459, 12.0927, 26.0675 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(159, 56, 140)` looks like.

```
.text, #text, p{  
    color:rgb(159, 56, 140)  
}
```

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(159, 56, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 56, 140) }
```

Border

The CSS property to change the border of an element to XYZ 20.4459, 12.0927, 26.0675 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(159, 56, 140) }
```


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

```
.border{ border-color:rgb(159, 56, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 56, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 56, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 56, 140);  
box-shadow:4px 4px 4px 4px rgb(159, 56,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4459, 12.0927, 26.0675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 56, 140) }
```

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

```
.background{ background-color: rgb(159, 56,  
140) }
```

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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