

Converting Colors

XYZ(20.5694, 12.9730, 24.2371)

Have a look what the booklet for
XYZ(20.5694, 12.9730, 24.2371)
contains.

XYZ(20.6195, 13.0166, 24.3474)	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(20.6195, 13.0166,
24.3474)**

Conversions

Conversions Part 1

Format	Color
Hex	9F4287
RGB	159, 66, 135
RGB Percent	62%, 26%, 53%
CMY	0.3765, 0.7412, 0.4706
CMYK	0.00, 0.58, 0.15, 0.38
HSL	315°, 41%, 44%
HSV	315°, 58%, 62%
XYZ	20.6195, 13.0166, 24.3474
YIQ	101.6730, 33.2790, 41.1750

Conversions

Conversions Part 2

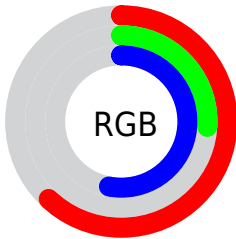
Format	Color
R _Y B	159, 66, 135
Decimal	10437255
CIE Lab	42.79, 47.04, -20.03
CIE LCh	43, 51.126, 336.930
Yxy	13.0166, 0.3556, 0.2245
Android (android.graphics.Color)	4288627335 (0xFF9F4287)
YUV	101.6730, 16.4302, 50.2758
Hunter-Lab	36.0785, 38.8784, -14.7566

Details

The XYZ color **20.6195, 13.0166, 24.3474** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **16.4910, 26.6932, 13.9570**, and the grayscale version is **12.4970, 13.1479, 14.3180**.

A 20% lighter version of the original color is **43.9928, 31.4234, 51.3236**, and **7.5197, 3.7677, 8.9252** is the 20% darker color. If you saturate the color by 10%, you get **19.5331, 11.2970, 22.5872**, and if you desaturate by 10%, it is **21.9761, 15.2583, 26.2528**.

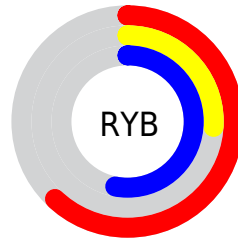
Distribution



Red (62%)

Green (26%)

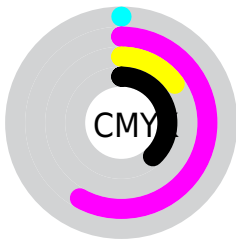
Blue (53%)



Red (62%)

Yellow (26%)

Blue (53%)

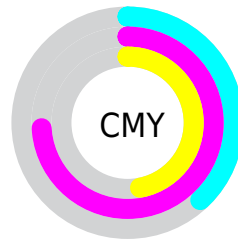


Cyan (0%)

Magenta (58%)

Yellow (15%)

Black (38%)



Cyan (38%)

Magenta (74%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6195, 13.0166, 24.3474 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 20.6195, 13.0166, 24.3474 by changing the saturation by 10% instead.

■ 20.6195, 13.0166,
24.3474

■ 20.6195, 13.0166,
24.3474

248.0195,
211.0240, 287.9151

■ 12.9570, 7.4400,
15.3769

■ 43.9495, 31.3336,
51.5474

■ 7.4758, 3.7388,
8.9348

■ 60.3477, 44.8428,
70.6141

■ 3.8103, 1.5285,
4.6024

■ 80.3885, 61.7649,
93.8832

■ 1.5954, 0.3087,
1.9613

■ 104.4373, 82.4844,
121.7734

■ 0.3894, 0.0000,
0.5313

■ 132.8595,
107.3857, 154.7031

■ 0.0000, 0.0000,
0.0000

166.0203,

136.8531, 193.0909

204.2852,
171.2711, 237.3554

■ 20.6195, 13.0166,
24.3474

■ 20.6195, 13.0166,
24.3474

■ 19.5331, 11.2970,
22.5872

■ 21.9761, 15.2583,
26.2528

■ 18.6935, 10.0537,
20.9635

■ 23.6213, 18.0593,
28.3099

■ 18.0753, 9.2359,
19.4674

■ 25.5732, 21.4554,
30.5253

■ 17.6293, 8.7452,
18.0817

■ 27.8480, 25.4791,
32.9051

■ 17.5663, 8.6782,
17.8783

■ 30.4609, 30.1604,
35.4549

■ 33.4260, 35.5273,
38.1800

■ 36.7567, 41.6063,
41.0853

■ 40.4654, 48.4224,
44.1756

■ 44.5643, 55.9994,
47.4555

Harmonies

Analogous

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



17.4387, 13.0166, 39.1581



20.6195, 13.0166, 24.3474



21.3940, 13.0166, 11.7396

Triad

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



20.6195, 13.0166, 24.3474



11.4902, 13.0166, 1.7640



7.2993, 13.0166, 31.3584

Complementary

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



20.6195, 13.0166, 24.3474



16.4910, 26.6932, 13.9570

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.



6.3276, 13.0166, 16.9211



20.6195, 13.0166, 24.3474



8.3959, 13.0166, 3.0125

Square

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



20.6195, 13.0166, 24.3474



15.5444, 13.0166, 2.1817



6.6820, 13.0166, 7.3205



9.6633, 13.0166, 44.4771

Rectangle

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



20.6195, 13.0166, 24.3474



20.3213, 13.0166, 6.5097



6.6820, 13.0166, 7.3205



6.8244, 13.0166, 26.2738

Sweetspot

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



20.6199, 13.0172, 24.3477



49.9365, 45.7440, 58.9938



12.3507, 8.5366, 33.7980



10.9901, 9.8364, 13.0272



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.



20.6199, 13.0172, 24.3477



34.5109, 19.5156, 39.6003



18.0605, 11.9935, 10.8702



6.8310, 6.7253, 7.9611



13.8918, 6.8613, 14.2133



0.2644, 0.1291, 0.3384

Inverse Universe

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



20.6199, 13.0172, 24.3477



34.5109, 19.5156, 39.6003



19.0716, 27.7255, 27.5465



6.8310, 6.7253, 7.9611



13.8918, 6.8613, 14.2133



0.2644, 0.1291, 0.3384

Previews

White Background



This preview shows how the XYZ color 20.6195, 13.0166, 24.3474 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 20.6195, 13.0166, 24.3474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

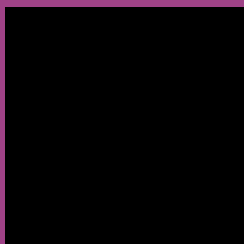
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.6195, 13.0166, 24.3474

Background



This preview shows how black text looks on a background with the XYZ color 20.6195, 13.0166, 24.3474.



This preview shows how white text looks on a background with the XYZ color 20.6195, 13.0166,

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

20.6195, 13.0166, 24.3474

Protanopia

14.2206, 13.3427, 36.0083

Deuteranopia

13.5162, 13.2674, 22.9676



Tritanopia

17.7226, 13.1021, 9.9824

Trichromacy



Original Color

20.6195, 13.0166, 24.3474

Protanomaly

15.2206, 12.3722, 31.2916

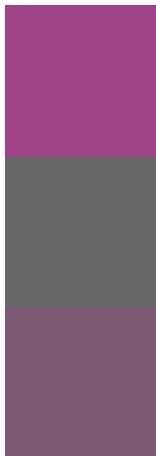
Deuteranomaly

15.4003, 12.6385, 23.4576

Tritanomaly

18.6073, 12.9448, 14.3498

Monochromacy



Original Color

20.6195, 13.0166, 24.3474

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

14.7780, 12.5706, 17.5671

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6195, 13.0166, 24.3474 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, 66, 135)` looks like.

```
.text, #text, p{  
    color:rgb(159, 66, 135)  
}
```

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, 66, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 66, 135) }
```

Border

The CSS property to change the border of an element to XYZ 20.6195, 13.0166, 24.3474 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, 66, 135) }
```


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

```
.border{ border-color:rgb(159, 66, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 66, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 66, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 66, 135);  
box-shadow:4px 4px 4px 4px rgb(159, 66,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6195, 13.0166, 24.3474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 66, 135) }
```

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

```
.background{ background-color: rgb(159, 66,  
135) }
```

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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