

Converting Colors

XYZ(8.8948, 9.2121, 20.0483)

Have a look what the booklet for
XYZ(8.8948, 9.2121, 20.0483)
contains.

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Color

**XYZ(8.9078, 9.2386,
20.0526)**

Conversions

Conversions Part 1

Format	Color
Hex	3D577B
RGB	61, 87, 123
RGB Percent	24%, 34%, 48%
CMY	0.7608, 0.6588, 0.5176
CMYK	0.50, 0.29, 0.00, 0.52
HSL	215°, 34%, 36%
HSV	215°, 50%, 48%
XYZ	8.9078, 9.2386, 20.0526
YIQ	83.3300, -27.0520, 5.6840

Conversions

Conversions Part 2

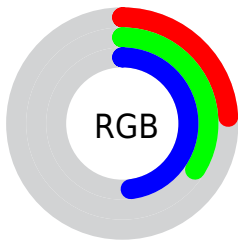
Format	Color
R_{YB}	61, 79, 123
Decimal	4020091
CIE _{Lab}	36.44, 1.08, -23.38
CIE _{LCh}	36, 23.401, 272.652
Yxy	9.2386, 0.2332, 0.2419
Android (android.graphics.Color)	4282210171 (0xFF3D577B)
YUV	83.3300, 19.5573, -19.5834
Hunter-Lab	30.3951, -0.8788, -17.8390

Details

The XYZ color **8.9078, 9.2386, 20.0526** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **13.2856, 13.0974, 6.2430**, and the grayscale version is **8.2548, 8.6847, 9.4576**.

A 20% lighter version of the original color is **23.4642, 24.4707, 44.5609**, and **2.1266, 2.1826, 6.7878** is the 20% darker color. If you saturate the color by 10%, you get **7.6859, 7.7925, 19.8381**, and if you desaturate by 10%, it is **10.3613, 10.8894, 20.2948**.

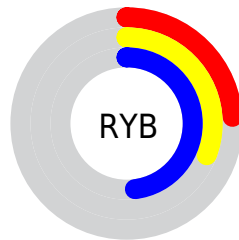
Distribution



Red (24%)

Green (34%)

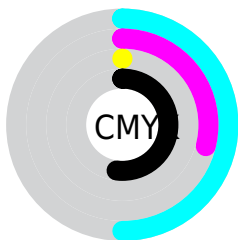
Blue (48%)



Red (24%)

Yellow (31%)

Blue (48%)

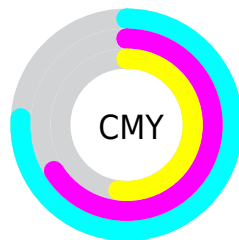


Cyan (50%)

Magenta (29%)

Yellow (0%)

Black (52%)



Cyan (76%)

Magenta (66%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.9078, 9.2386, 20.0526 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 8.9078, 9.2386, 20.0526 by changing the saturation by 10% instead.

■ 8.9078, 9.2386,
20.0526

■ 8.9078, 9.2386,
20.0526

176.9102,
185.1480, 264.8134

■ 4.7377, 4.8971,
12.2488

■ 23.3886, 24.3532,
44.3655

■ 2.1274, 2.1870,
6.7888

■ 34.4300, 35.8951,
61.7117

■ 0.7040, 0.7129,
3.2539

■ 48.4926, 50.6059,
83.0758

■ 0.0000, 0.0000,
1.2257

■ 65.9417, 68.8701,
108.8763

■ 0.0000, 0.0000,
0.0000

■ 87.1426, 91.0720,
139.5317

■ 112.4608,

117.5960, 175.4607

142.2615,
148.8265, 217.0818

■ 8.9078, 9.2386,
20.0526

■ 8.9078, 9.2386,
20.0526

■ 7.6859, 7.7925,
19.8381

■ 10.3613, 10.8894,
20.2948

■ 6.6809, 6.5406,
19.6494

■ 12.0579, 12.7526,
20.5650

■ 5.8778, 5.4726,
19.4856

■ 14.0094, 14.8368,
20.8645

■ 5.2591, 4.5769,
19.3453

■ 16.2266, 17.1498,
21.1940

■ 4.7846, 3.8489,
19.2298

■ 18.7197, 19.6988,
21.5546

■ 21.4982, 22.4908,
21.9471

■ 24.5711, 25.5325,
22.3723

■ 27.9472, 28.8302,
22.8308

■ 31.6347, 32.3901,
23.3236

Harmonies

Analogous

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



7.5868, 9.2386, 18.7140



8.9078, 9.2386, 20.0526



10.3362, 9.2386, 18.1727

Triad

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



8.9078, 9.2386, 20.0526



11.2832, 9.2386, 6.4062



6.5745, 9.2386, 6.8808

Complementary

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



8.9078, 9.2386, 20.0526



13.2856, 13.0974, 6.2430

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.



7.3902, 9.2386, 4.8120



8.9078, 9.2386, 20.0526



10.0944, 9.2386, 4.5943

Square

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



8.9078, 9.2386, 20.0526



11.7968, 9.2386, 9.7022



8.6554, 9.2386, 4.1004



6.3287, 9.2386, 10.4250

Rectangle

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



8.9078, 9.2386, 20.0526



11.1324, 9.2386, 15.5806



8.6554, 9.2386, 4.1004



6.7865, 9.2386, 6.0260

Sweetspot

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



8.9081, 9.2389, 20.0528



27.0261, 28.6028, 37.6531



11.1251, 16.0052, 13.6018



6.2038, 6.5678, 8.8438



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



8.9081, 9.2389, 20.0528



13.5528, 13.6982, 35.4863



7.4330, 5.8962, 19.4854



3.9229, 4.1442, 5.0363



4.9444, 3.9712, 19.8912



22.7826, 17.3378, 94.6155

Inverse Universe

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



11.5577, 8.2368, 9.9979



19.0091, 12.2503, 14.6419



15.5149, 18.4155, 7.1520



4.0616, 4.0403, 4.5218



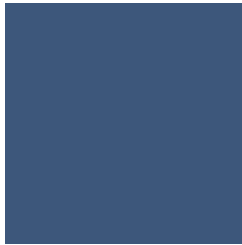
9.0790, 4.6078, 3.7071



42.9027, 21.8174, 15.5498

Previews

White Background



This preview shows how the XYZ color 8.9078, 9.2386, 20.0526 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 ✓ Pass

Black Background



This preview shows how the XYZ color 8.9078, 9.2386, 20.0526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 8.9078, 9.2386, 20.0526

Background



This preview shows how black text looks on a background with the XYZ color 8.9078, 9.2386, 20.0526.

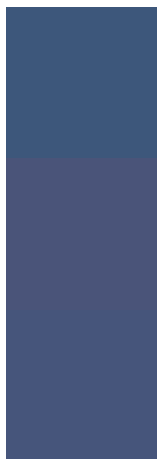


This preview shows how white text looks on a background with the XYZ color 8.9078, 9.2386, 20.0526.

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

8.9078, 9.2386, 20.0526

Protanopia

9.4456, 9.1770, 19.3627

Deuteranopia

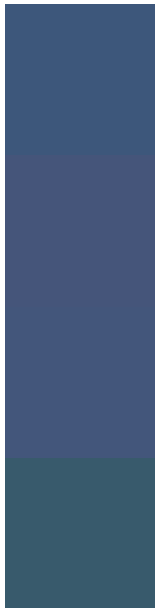
9.3494, 9.2292, 20.0275



Tritanopia

7.5475, 9.3120, 13.2040

Trichromacy



Original Color

8.9078, 9.2386, 20.0526

Protanomaly

9.2156, 9.1673, 19.6961

Deuteranomaly

9.2177, 9.2789, 20.0441

Tritanomaly

7.9938, 9.2358, 15.5487

Monochromacy



Original Color

8.9078, 9.2386, 20.0526

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

8.2766, 8.7183, 12.8019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.9078, 9.2386, 20.0526 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(61, 87, 123)` looks like.

```
.text, #text, p{  
    color:rgb(61, 87, 123)  
}
```

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(61, 87, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 87, 123) }
```

Border

The CSS property to change the border of an element to XYZ 8.9078, 9.2386, 20.0526 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(61, 87, 123) }
```


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

```
.border{ border-color:rgb(61, 87, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 87, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 87, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 87, 123);  
box-shadow:4px 4px 4px 4px rgb(61, 87,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 8.9078, 9.2386, 20.0526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 87, 123) }
```

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

```
.background{ background-color: rgb(61, 87,  
123) }
```

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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