

Converting Colors

XYZ(9.8620, 13.1293, 20.0874)

Have a look what the booklet for
XYZ(9.8620, 13.1293, 20.0874)
contains.

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Color

**XYZ(9.8632, 13.1244,
20.1026)**

Conversions

Conversions Part 1	
Format	Color
Hex	246F79
RGB	36, 111, 121
RGB Percent	14%, 44%, 47%
CMY	0.8588, 0.5647, 0.5255
CMYK	0.70, 0.08, 0.00, 0.53
HSL	187°, 54%, 31%
HSV	187°, 70%, 47%
XYZ	9.8632, 13.1244, 20.1026
YIQ	89.7150, -47.9100, -12.7900

Conversions

Conversions Part 2

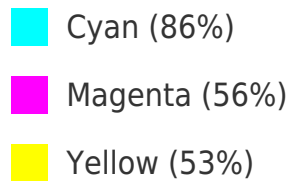
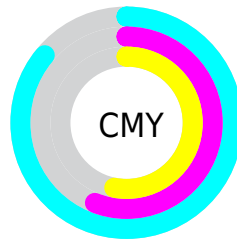
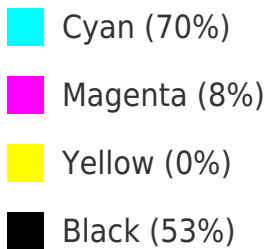
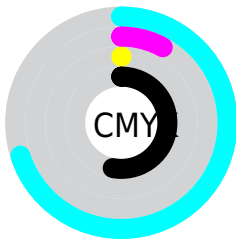
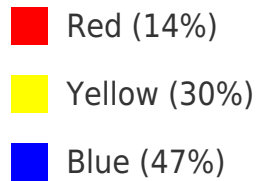
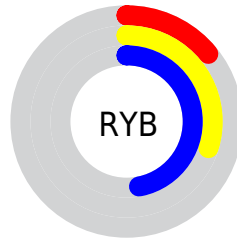
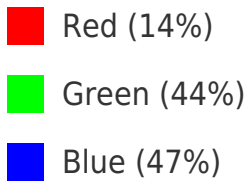
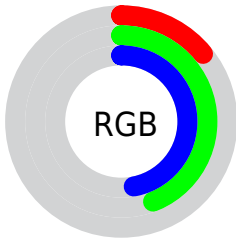
Format	Color
RYB	36, 76, 121
Decimal	2387833
CIELab	42.95, -19.13, -12.25
CIELCh	43, 22.717, 212.619
Yxy	13.1244, 0.2289, 0.3046
Android (android.graphics.Color)	4280577913 (0xFF246F79)
YUV	89.7150, 15.4235, -47.1081
Hunter-Lab	36.2276, -14.8006, -7.5405

Details

The XYZ color **9.8632, 13.1244, 20.1026** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.1810, 6.1468, 2.3721**, and the grayscale version is **9.6293, 10.1307, 11.0324**.

A 20% lighter version of the original color is **25.1542, 31.5387, 44.2970**, and **2.9472, 4.0229, 6.7521** is the 20% darker color. If you saturate the color by 10%, you get **9.3562, 12.6345, 20.0350**, and if you desaturate by 10%, it is **10.5164, 13.6938, 20.1783**.


Distribution




Brightness & Saturation Gradients

These gradients show how the XYZ color 9.8632, 13.1244, 20.1026 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 9.8632, 13.1244, 20.1026 by changing the saturation by 10% instead.


 9.8632, 13.1244,
20.1026


 9.8632, 13.1244,
20.1026

183.7670,
211.7134, 265.0926


 5.3699, 7.5143,
12.2848


 25.1899, 31.5271,
44.4504


 2.5029, 3.7857,
6.8131


 36.7540, 45.0884,
61.8174


 0.8967, 1.5544,
3.2688


 51.4058, 62.0690,
83.2047

 0.0000, 0.3266,
1.2335

 69.5106, 82.8531,
109.0307

 0.0000, 0.0000,
0.0063

 91.4337, 107.8252,
139.7139

 0.0000, 0.0000,
0.0000

 117.5406,

137.3697, 175.6729

148.1966,
171.8710, 217.3263

■ 9.8632, 13.1244,
20.1026

■ 9.8632, 13.1244,
20.1026

■ 9.3562, 12.6345,
20.0350

■ 10.5164, 13.6938,
20.1783

■ 8.9790, 12.2150,
19.9739

■ 11.3274, 14.3481,
20.2619

■ 8.6845, 11.8471,
19.9184

■ 12.3084, 15.0936,
20.3541

■ 13.4698, 15.9359,
20.4554

■ 14.8210, 16.8798,
20.5664

■ 16.3712, 17.9300,
20.6874

■ 18.1286, 19.0908,
20.8188

■ 20.1011, 20.3663,
20.9611

■ 22.2961, 21.7603,
21.1145

Harmonies

Analogous

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



9.4217, 13.1244, 14.7325



9.8632, 13.1244, 20.1026



10.9980, 13.1244, 24.5990

Triad

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



9.8632, 13.1244, 20.1026



15.6873, 13.1244, 19.1656



12.3221, 13.1244, 6.6964

Complementary

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



9.8632, 13.1244, 20.1026



9.1810, 6.1468, 2.3721

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.



14.0772, 13.1244, 7.3588



9.8632, 13.1244, 20.1026



16.1240, 13.1244, 13.8569

Square

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



9.8632, 13.1244, 20.1026



14.3662, 13.1244, 23.9755



15.5099, 13.1244, 9.7225



10.7564, 13.1244, 7.6436

Rectangle

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



9.8632, 13.1244, 20.1026



12.0494, 13.1244, 26.0546



15.5099, 13.1244, 9.7225



12.9091, 13.1244, 6.7384

Sweetspot

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



9.8636, 13.1249, 20.1029



26.2105, 29.9998, 36.8020



8.0568, 14.2468, 4.9020



5.8685, 6.7732, 8.4047



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



9.8636, 13.1249, 20.1029



16.3324, 22.1705, 35.8114



6.2818, 5.9613, 18.9090



4.0688, 4.4358, 5.0849



9.3014, 12.6853, 21.3436



43.9631, 59.6989, 101.6757

Inverse Universe

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



11.3857, 6.4749, 15.6891



19.3925, 9.9546, 26.6783



11.7281, 11.2409, 3.2211



4.1352, 4.0698, 4.9094



11.2783, 5.4875, 15.2881



53.5937, 26.0938, 71.8476

Previews

White Background



This preview shows how the XYZ color 9.8632, 13.1244, 20.1026 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 9.8632, 13.1244, 20.1026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

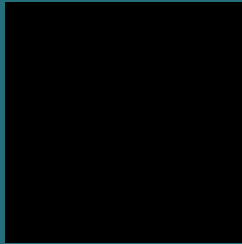
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.8632, 13.1244, 20.1026

Background



This preview shows how black text looks on a background with the XYZ color 9.8632, 13.1244, 20.1026.

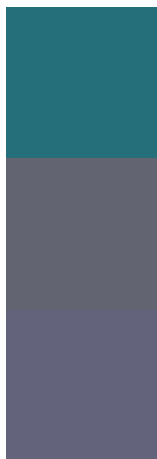


This preview shows how white text looks on a background with the XYZ color 9.8632, 13.1244,

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

9.8632, 13.1244, 20.1026

Protanopia

12.7400, 12.9819, 17.7539

Deuteranopia

13.2455, 13.0316, 20.8860



Tritanopia

9.7677, 13.0823, 19.7796

Trichromacy

	Original Color 9.8632, 13.1244, 20.1026
	Protanomaly 11.1417, 12.7215, 18.6979
	Deuteranomaly 11.4059, 12.6671, 20.5827
	Tritanomaly 9.7677, 13.0823, 19.7796

Monochromacy

	Original Color 9.8632, 13.1244, 20.1026
	Achromatopsia 9.7181, 10.2242, 11.1341
	Achromatomaly 9.2424, 10.9770, 13.9436

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.8632, 13.1244, 20.1026 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(36, 111, 121)` looks like.

```
.text, #text, p{  
    color:rgb(36, 111, 121)  
}
```

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(36, 111, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 111, 121) }
```

Border

The CSS property to change the border of an element to XYZ 9.8632, 13.1244, 20.1026 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(36, 111, 121) }
```


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

```
.border{ border-color:rgb(36, 111, 121) }
```

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

Here you see how a box with a 4 pixel rgb(36, 111, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 111, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 111, 121);  
box-shadow:4px 4px 4px 4px rgb(36, 111,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 9.8632, 13.1244, 20.1026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 111, 121) }
```

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

```
.background{ background-color: rgb(36, 111,  
121) }
```

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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