

Converting Colors

XYZ(11.7126, 9.2016, 20.2222)

Have a look what the booklet for
XYZ(11.7126, 9.2016, 20.2222)
contains.

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Color

**XYZ(11.7296, 9.1634,
20.2193)**

Conversions

Conversions Part 1

Format	Color
Hex	68497C
RGB	104, 73, 124
RGB Percent	41%, 29%, 49%
CMY	0.5922, 0.7137, 0.5137
CMYK	0.16, 0.41, 0.00, 0.51
HSL	276°, 26%, 39%
HSV	276°, 41%, 49%
XYZ	11.7296, 9.1634, 20.2193
YIQ	88.0830, 2.1050, 22.4330

Conversions

Conversions Part 2

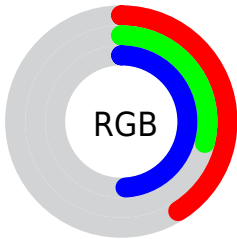
Format	Color
RYB	104, 73, 124
Decimal	6834556
CIELab	36.30, 23.52, -23.94
CIElCh	36, 33.555, 314.493
Yxy	9.1634, 0.2853, 0.2229
Android (android.graphics.Color)	4285024636 (0xFF68497C)
YUV	88.0830, 17.7071, 13.9592
Hunter-Lab	30.2711, 16.1916, -18.4124

Details

The XYZ color **11.7296, 9.1634, 20.2193** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **12.9247, 17.2237, 8.9470**, and the grayscale version is **9.2565, 9.7385, 10.6052**.

A 20% lighter version of the original color is **28.6056, 24.1613, 44.7509**, and **3.2608, 2.1507, 6.8999** is the 20% darker color. If you saturate the color by 10%, you get **10.4465, 7.4109, 19.9488**, and if you desaturate by 10%, it is **13.2084, 11.2584, 20.5459**.

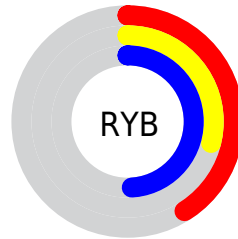
Distribution



Red (41%)

Green (29%)

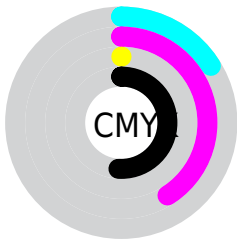
Blue (49%)



Red (41%)

Yellow (29%)

Blue (49%)

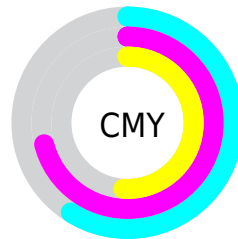


Cyan (16%)

Magenta (41%)

Yellow (0%)

Black (51%)



Cyan (59%)

Magenta (71%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7296, 9.1634, 20.2193 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 11.7296, 9.1634, 20.2193 by changing the saturation by 10% instead.

■ 11.7296, 9.1634,
20.2193

■ 11.7296, 9.1634,
20.2193

196.4136,
184.5922, 265.7433

■ 6.6307, 4.8479,
12.3689

■ 28.6228, 24.2096,
44.6483

■ 3.2765, 2.1583,
6.8699

■ 41.1478, 35.7090,
62.0641

■ 1.3016, 0.6971,
3.3036

■ 56.8790, 50.3720,
83.5053

■ 0.1844, 0.0000,
1.2517

■ 76.1816, 68.5827,
109.3906

■ 0.0000, 0.0000,
0.0217

■ 99.4210, 90.7258,
140.1385

■ 0.0000, 0.0000,
0.0000

126.9625,

117.1854, 176.1676

159.1716,
148.3461, 217.8963

■ 11.7296, 9.1634,
20.2193

■ 11.7296, 9.1634,
20.2193

■ 10.4465, 7.4109,
19.9488

■ 13.2084, 11.2584,
20.5459

■ 9.3478, 5.9800,
19.7305

■ 14.8913, 13.7128,
20.9309

■ 8.4227, 4.8494,
19.5611

■ 16.7875, 16.5438,
21.3774

■ 7.6582, 3.9945,
19.4363

■ 18.9051, 19.7671,
21.8880

■ 7.0398, 3.3866,
19.3516

■ 21.2520, 23.3975,
22.4650

6.5691, 2.9662,
19.2953

23.8355, 27.4491,
23.1109

26.6626, 31.9352,
23.8278

29.7401, 36.8685,
24.6178

33.0744, 42.2612,
25.4830

Harmonies

Analogous

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



9.7196, 9.1634, 25.1144



11.7296, 9.1634, 20.2193



13.0207, 9.1634, 13.2616

Triad

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



11.7296, 9.1634, 20.2193



9.7913, 9.1634, 2.6327



5.4605, 9.1634, 13.0328

Complementary

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



11.7296, 9.1634, 20.2193



12.9247, 17.2237, 8.9470

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.



5.4736, 9.1634, 7.2858



11.7296, 9.1634, 20.2193



7.7720, 9.1634, 2.6118

Square

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



11.7296, 9.1634, 20.2193



11.7891, 9.1634, 4.0299



6.2582, 9.1634, 3.9542



6.2192, 9.1634, 19.9969

Rectangle

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



11.7296, 9.1634, 20.2193



13.1909, 9.1634, 9.1300



6.2582, 9.1634, 3.9542



5.3790, 9.1634, 10.8757

Sweetspot

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



11.7299, 9.1638, 20.2195



29.1359, 28.5016, 37.5223



10.3356, 10.7712, 20.6033



6.7793, 6.5883, 8.8174



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.



11.7299, 9.1638, 20.2195



18.5866, 13.3136, 35.1468



14.0188, 10.3800, 18.6862



4.0095, 4.0028, 5.0045



6.6751, 3.0139, 19.6152



30.8645, 13.8732, 93.5209

Inverse Universe

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



12.6708, 9.8408, 11.5878



20.6091, 14.7528, 17.3254



11.3343, 16.3835, 9.7919



4.0573, 4.0387, 4.4997



9.0045, 4.5780, 3.3146



42.5601, 21.6804, 13.7454

Previews

White Background



This preview shows how the XYZ color 11.7296, 9.1634, 20.2193 looks on a white background.

Color Contrast Check

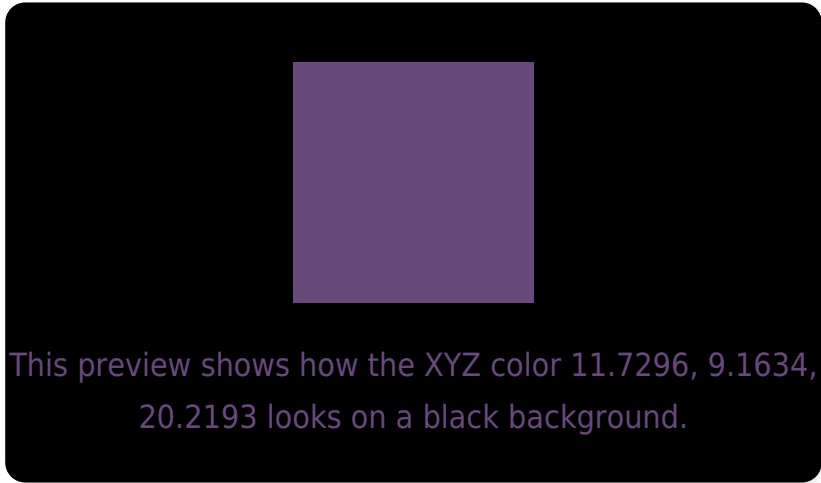
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



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 11.7296, 9.1634, 20.2193

Background



This preview shows how black text looks on a background with the XYZ color 11.7296, 9.1634, 20.2193.



This preview shows how white text looks on a background with the XYZ color 11.7296, 9.1634,

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

11.7296, 9.1634, 20.2193

Protanopia

9.7879, 9.2630, 23.4624

Deuteranopia

9.4338, 9.2799, 19.7063



Tritanopia

9.6997, 9.1696, 10.2755

Trichromacy



Original Color

11.7296, 9.1634, 20.2193

Protanomaly

10.2913, 9.0984, 22.3328

Deuteranomaly

10.1737, 9.1997, 19.9784

Tritanomaly

10.2802, 9.0782, 13.2670

Monochromacy



Original Color

11.7296, 9.1634, 20.2193

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

10.0583, 9.5058, 13.6166

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7296, 9.1634, 20.2193 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(104, 73, 124)` looks like.

```
.text, #text, p{  
    color:rgb(104, 73, 124)  
}
```

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(104, 73, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 73, 124) }
```

Border

The CSS property to change the border of an element to XYZ 11.7296, 9.1634, 20.2193 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(104, 73, 124) }
```


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

```
.border{ border-color:rgb(104, 73, 124) }
```

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

Here you see how a box with a 4 pixel rgb(104, 73, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 73, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 73, 124);  
box-shadow:4px 4px 4px 4px rgb(104, 73,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7296, 9.1634, 20.2193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 73, 124) }
```

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

```
.background{ background-color: rgb(104, 73,  
124) }
```

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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