

Converting Colors

XYZ(20.1140, 19.7681, 29.9258)

Have a look what the booklet for
XYZ(20.1140, 19.7681, 29.9258)
contains.

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Color

**XYZ(20.0732, 19.7192,
29.9423)**

Conversions

Conversions Part 1

Format	Color
Hex	7B7892
RGB	123, 120, 146
RGB Percent	48%, 47%, 57%
CMY	0.5176, 0.5294, 0.4274
CMYK	0.16, 0.18, 0.00, 0.43
HSL	247°, 11%, 52%
HSV	247°, 18%, 57%
XYZ	20.0732, 19.7192, 29.9423
YIQ	123.8610, -6.5580, 8.7220

Conversions

Conversions Part 2

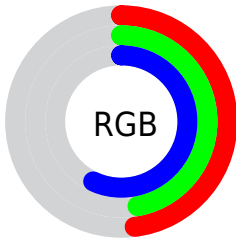
Format	Color
R_{YB}	123, 120, 146
Decimal	8091794
CIE Lab	51.52, 6.73, -13.65
CIE LCh	52, 15.217, 296.251
Yxy	19.7192, 0.2879, 0.2828
Android (android.graphics.Color)	4286281874 (0xFF7B7892)
YUV	123.8610, 10.9145, -0.7551
Hunter-Lab	44.4063, 2.9772, -8.8937

Details

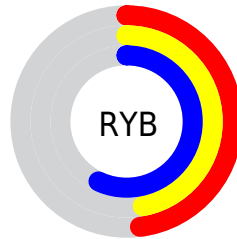
The XYZ color **20.0732, 19.7192, 29.9423** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.9972, 27.7539, 21.8097**, and the grayscale version is **19.0788, 20.0724, 21.8588**.

A 20% lighter version of the original color is **43.0823, 42.9053, 60.6544**, and **7.2070, 6.9168, 11.7817** is the 20% darker color. If you saturate the color by 10%, you get **16.7222, 15.5812, 29.3205**, and if you desaturate by 10%, it is **23.9370, 24.5200, 30.6656**.

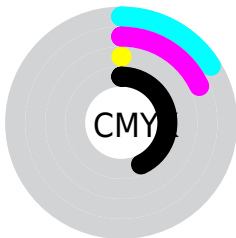
Distribution



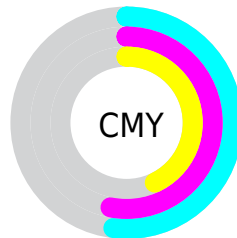
- Red (48%)
- Green (47%)
- Blue (57%)



- Red (48%)
- Yellow (47%)
- Blue (57%)



- Cyan (16%)
- Magenta (18%)
- Yellow (0%)
- Black (43%)



- Cyan (52%)
- Magenta (53%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0732, 19.7192, 29.9423 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 20.0732, 19.7192, 29.9423 by changing the saturation by 10% instead.

■ 20.0732, 19.7192,
29.9423

■ 20.0732, 19.7192,
29.9423

245.1371,
250.3909, 315.8343

■ 12.5568, 12.1911,
19.5431

■ 43.0429, 42.9459,
60.6308

■ 7.1990, 6.8740,
11.8826

■ 59.2269, 59.4133,
81.7573

■ 3.6343, 3.3834,
6.5422

■ 79.0309, 79.6292,
107.2966

■ 1.4974, 1.3350,
3.1034

102.8201,
103.9781, 137.6672

■ 0.3241, 0.1681,
1.1477

130.9600,
132.8443, 173.2878

■ 0.0000, 0.0000,
0.0000

163.8159,

166.6122, 214.5768

201.7532,
205.6663, 261.9528

■ 20.0732, 19.7192,
29.9423

■ 20.0732, 19.7192,
29.9423

■ 16.7222, 15.5812,
29.3205

■ 23.9370, 24.5200,
30.6656

■ 13.8606, 12.0746,
28.7945

■ 28.3319, 30.0083,
31.4933

■ 11.4658, 9.1688,
28.3598

■ 33.2779, 36.2109,
32.4299

■ 9.5129, 6.8300,
28.0113

■ 38.7931, 43.1519,
33.4789

■ 7.9746, 5.0208,
27.7432

■ 44.8948, 50.8547,
34.6441

■ 6.8204, 3.6996,
27.5490

■ 51.5997, 59.3415,
35.9289

■ 6.0157, 2.8182,
27.4213

■ 58.9237, 68.6336,
37.3364

■ 5.5051, 2.2902,
27.3463

■ 66.8824, 78.7515,
38.8699

■ 5.4167, 2.1931,
27.3322

■ 75.4903, 89.7149,
40.5324

Harmonies

Analogous

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



18.5509, 19.7192, 31.0164



20.0732, 19.7192, 29.9423



21.2949, 19.7192, 26.4965

Triad

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



20.0732, 19.7192, 29.9423



20.4237, 19.7192, 15.2032



15.9592, 19.7192, 20.9250

Complementary

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



20.0732, 19.7192, 29.9423



24.9972, 27.7539, 21.8097

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.



16.4027, 19.7192, 17.1246



20.0732, 19.7192, 29.9423



18.9354, 19.7192, 14.1172

Square

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



20.0732, 19.7192, 29.9423



21.5049, 19.7192, 17.9578



17.4720, 19.7192, 14.7700



16.2275, 19.7192, 25.4145

Rectangle

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



20.0732, 19.7192, 29.9423



21.7458, 19.7192, 23.5348



17.4720, 19.7192, 14.7700



16.0293, 19.7192, 19.5313

Sweetspot

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



20.0738, 19.7200, 29.9427



44.2308, 45.7534, 54.4736



22.8172, 25.8341, 30.9783



9.7354, 10.0484, 12.0986



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



20.0738, 19.7200, 29.9427



33.1707, 32.0143, 52.4047



21.9939, 20.7098, 30.0326



5.5580, 5.6631, 7.2699



4.7775, 1.9355, 24.0528



0.0706, 0.0299, 0.2950

Inverse Universe

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



23.5290, 21.5278, 28.9023



40.3361, 35.7646, 50.1952



22.9370, 26.6918, 21.7133



6.0068, 5.8978, 7.1420



13.9330, 6.7782, 18.9258



0.1771, 0.0856, 0.2663

Previews

White Background



This preview shows how the XYZ color 20.0732, 19.7192, 29.9423 looks on a white 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

Black Background



This preview shows how the XYZ color 20.0732, 19.7192, 29.9423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

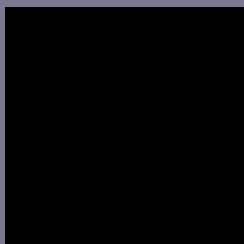
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.0732, 19.7192, 29.9423

Background



This preview shows how black text looks on a background with the XYZ color 20.0732, 19.7192, 29.9423.



This preview shows how white text looks on a background with the XYZ color 20.0732, 19.7192,

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

20.0732, 19.7192, 29.9423

Protanopia

19.5621, 19.8076, 30.3960

Deuteranopia

20.0732, 19.7192, 29.9423



Tritanopia

19.0095, 19.6500, 24.6207

Trichromacy



Original Color

20.0732, 19.7192, 29.9423

Protanomaly

19.7116, 19.7033, 30.3680

Deuteranomaly

20.0732, 19.7192, 29.9423

Tritanomaly

19.3788, 19.6185, 26.4323

Monochromacy



Original Color

20.0732, 19.7192, 29.9423

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.5600, 20.1169, 24.6818

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0732, 19.7192, 29.9423 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(123, 120, 146)` looks like.

```
.text, #text, p{  
    color:rgb(123, 120, 146)  
}
```

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(123, 120, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 120, 146) }
```

Border

The CSS property to change the border of an element to XYZ 20.0732, 19.7192, 29.9423 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(123, 120, 146) }
```


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

```
.border{ border-color:rgb(123, 120, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 120, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 120, 146); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 120, 146); box-shadow:4px 4px 4px 4px rgb(123, 120, 146) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0732, 19.7192, 29.9423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 120, 146) }
```

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

```
.background{ background-color: rgb(123,  
120, 146) }
```

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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