

Converting Colors

XYZ(20.6770, 19.7141, 41.0950)

Have a look what the booklet for
XYZ(20.6770, 19.7141, 41.0950)
contains.

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Color

**XYZ(20.7492, 19.8180,
41.2597)**

Conversions

Conversions Part 1

Format	Color
Hex	7078AB
RGB	112, 120, 171
RGB Percent	44%, 47%, 67%
CMY	0.5608, 0.5294, 0.3294
CMYK	0.35, 0.30, 0.00, 0.33
HSL	232°, 26%, 55%
HSV	232°, 35%, 67%
XYZ	20.7492, 19.8180, 41.2597
YIQ	123.4220, -21.1390, 14.1650

Conversions

Conversions Part 2

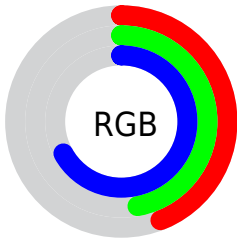
Format	Color
R_{YB}	112, 119, 171
Decimal	7370923
CIE Lab	51.63, 9.55, -28.12
CIE LCh	52, 29.701, 288.758
Yxy	19.8180, 0.2536, 0.2422
Android (android.graphics.Color)	4285561003 (0xFF7078AB)
YUV	123.4220, 23.4560, -10.0171
Hunter-Lab	44.5174, 5.2919, -23.7891

Details

The XYZ color **20.7492, 19.8180, 41.2597** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **32.8166, 36.0222, 20.5532**, and the grayscale version is **18.8966, 19.8806, 21.6500**.

A 20% lighter version of the original color is **44.1347, 43.0504, 78.6565**, and **7.5716, 6.9587, 18.3969** is the 20% darker color. If you saturate the color by 10%, you get **17.1340, 15.5163, 40.6203**, and if you desaturate by 10%, it is **25.0534, 24.8831, 42.0109**.

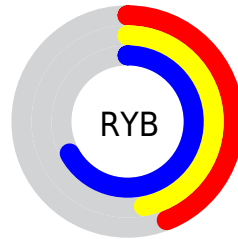
Distribution



Red (44%)

Green (47%)

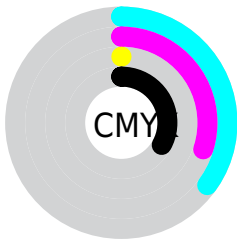
Blue (67%)



Red (44%)

Yellow (47%)

Blue (67%)

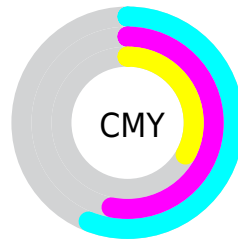


Cyan (35%)

Magenta (30%)

Yellow (0%)

Black (33%)



Cyan (56%)

Magenta (53%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7492, 19.8180, 41.2597 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 20.7492, 19.8180, 41.2597 by changing the saturation by 10% instead.

■ 20.7492, 19.8180,
41.2597

■ 20.7492, 19.8180,
41.2597

248.6996,
250.9281, 367.1136

■ 13.0522, 12.2628,
28.2008

■ 44.1642, 43.1118,
78.3359

■ 7.5418, 6.9229,
18.2367

■ 60.6129, 59.6193,
103.1904

■ 3.8525, 3.4139,
10.9489

■ 80.7096, 79.8796,
132.8137

■ 1.6190, 1.3515,
5.9187

■ 104.8195,
104.2772, 167.6246

■ 0.4048, 0.1805,
2.7277

133.3082,
133.1964, 208.0415

■ 0.0000, 0.0000,
0.9573

166.5408,

■ 0.0000, 0.0000,

167.0218, 254.4829

0.0000

204.8829,
206.1375, 307.3674

■ 20.7492, 19.8180,
41.2597

■ 20.7492, 19.8180,
41.2597

■ 17.1340, 15.5163,
40.6203

■ 25.0534, 24.8831,
42.0109

■ 14.1698, 11.9385,
40.0859

■ 30.0778, 30.7439,
42.8773

■ 11.8179, 9.0450,
39.6514

■ 35.8544, 37.4337,
43.8641

■ 10.0347, 6.7915,
39.3104

■ 42.4125, 44.9832,
44.9756

■ 8.7705, 5.1281,
39.0560

■ 49.7799, 53.4214,
46.2161

■ 7.9667, 3.9975,
38.8801

■ 57.9828, 62.7760,
47.5894

■ 7.6609, 3.5606,
38.8119

■ 67.0466, 73.0736,
49.0993

■ 76.9952, 84.3396,
50.7495

■ 83.7265, 94.4717,
52.3504

Harmonies

Analogous

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



17.7362, 19.8180, 42.1276



20.7492, 19.8180, 41.2597



23.5058, 19.8180, 34.3758

Triad

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



20.7492, 19.8180, 41.2597



22.8925, 19.8180, 11.4029



13.7350, 19.8180, 18.5210

Complementary

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



20.7492, 19.8180, 41.2597



32.8166, 36.0222, 20.5532

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.



14.8304, 19.8180, 12.4315



20.7492, 19.8180, 41.2597



19.9812, 19.8180, 9.1098

Square

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



20.7492, 19.8180, 41.2597



24.8309, 19.8180, 16.6984



17.0450, 19.8180, 9.4283



13.8938, 19.8180, 27.3271

Rectangle

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



20.7492, 19.8180, 41.2597



24.7284, 19.8180, 28.1206



17.0450, 19.8180, 9.4283



13.9636, 19.8180, 16.1388

Sweetspot

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



20.7499, 19.8188, 41.2602



58.1737, 60.0570, 77.5280



27.7804, 35.1849, 39.5800



12.6638, 13.0346, 17.2362



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.7499, 19.8188, 41.2602



32.3645, 29.7954, 73.0472



22.7631, 19.4873, 41.0901



7.6633, 7.9259, 10.0786



5.7987, 2.7312, 29.2661



0.1879, 0.1292, 0.8230

Inverse Universe

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



25.9794, 21.6029, 20.5707



43.1551, 33.6994, 30.3067



30.1302, 36.8133, 20.8475



8.0478, 8.0324, 8.5627



12.7905, 6.5788, 1.2764



0.3693, 0.1884, 0.1063

Previews

White Background



This preview shows how the XYZ color 20.7492, 19.8180, 41.2597 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 20.7492, 19.8180, 41.2597 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 20.7492, 19.8180, 41.2597

Background



This preview shows how black text looks on a background with the XYZ color 20.7492, 19.8180, 41.2597.



This preview shows how white text looks on a background with the XYZ color 20.7492, 19.8180,

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

20.7492, 19.8180, 41.2597

Protanopia

20.3472, 19.7791, 41.7751

Deuteranopia

20.2515, 19.7408, 41.2711



Tritanopia

17.8136, 19.9279, 26.5745

Trichromacy



Original Color

20.7492, 19.8180, 41.2597

Protanomaly

20.5904, 19.9045, 41.7864

Deuteranomaly

20.4947, 19.8662, 41.2825

Tritanomaly

18.6959, 19.7110, 31.2530

Monochromacy



Original Color

20.7492, 19.8180, 41.2597

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.3009, 19.7345, 27.6028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7492, 19.8180, 41.2597 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(112, 120, 171)` looks like.

```
.text, #text, p{  
    color:rgb(112, 120, 171)  
}
```

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(112, 120, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 120, 171) }
```

Border

The CSS property to change the border of an element to XYZ 20.7492, 19.8180, 41.2597 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(112, 120, 171) }
```


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

```
.border{ border-color:rgb(112, 120, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 120, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 120, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 120, 171);  
box-shadow:4px 4px 4px 4px rgb(112, 120,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7492, 19.8180, 41.2597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 120, 171) }
```

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

```
.background{ background-color: rgb(112,  
120, 171) }
```

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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