

Converting Colors

XYZ(20.8793, 19.2696, 61.0115)

Have a look what the booklet for
XYZ(20.8793, 19.2696, 61.0115)
contains.

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Color

**XYZ(20.8793, 19.2696,
61.0115)**

Conversions

Conversions Part 1

Format	Color
Hex	4E77CE
RGB	78, 119, 206
RGB Percent	31%, 47%, 81%
CMY	0.6941, 0.5333, 0.1922
CMYK	0.62, 0.42, 0.00, 0.19
HSL	221°, 57%, 56%
HSV	221°, 62%, 81%
XYZ	20.8793, 19.2696, 61.0115
YIQ	116.6590, -52.3630, 18.3650

Conversions

Conversions Part 2

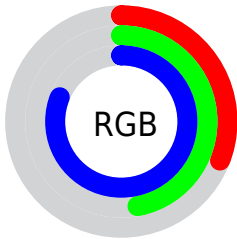
Format	Color
R _Y B	78, 109, 206
Decimal	5142478
CIE Lab	51.00, 12.89, -49.37
CIE LCh	51, 51.021, 284.637
Yxy	19.2696, 0.2064, 0.1905
Android (android.graphics.Color)	4283332558 (0xFF4E77CE)
YUV	116.6590, 44.0451, -33.9039
Hunter-Lab	43.8972, 8.0820, -51.6776

Details

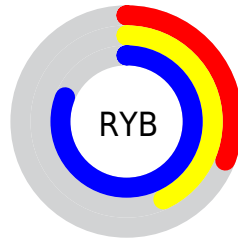
The XYZ color **20.8793, 19.2696, 61.0115** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **40.2854, 40.5846, 12.9193**, and the grayscale version is **16.6840, 17.5528, 19.1150**.

A 20% lighter version of the original color is **42.9294, 41.6642, 100.3871**, and **7.8392, 6.7408, 30.1661** is the 20% darker color. If you saturate the color by 10%, you get **17.9028, 15.4411, 60.4298**, and if you desaturate by 10%, it is **24.6314, 23.8628, 61.7007**.

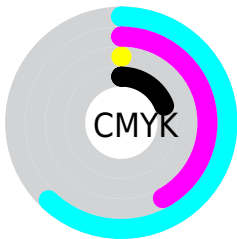
Distribution



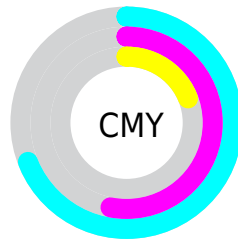
- Red (31%)
- Green (47%)
- Blue (81%)



- Red (31%)
- Yellow (43%)
- Blue (81%)



- Cyan (62%)
- Magenta (42%)
- Yellow (0%)
- Black (19%)



- Cyan (69%)
- Magenta (53%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8793, 19.2696, 61.0115 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 20.8793, 19.2696, 61.0115 by changing the saturation by 10% instead.

■ 20.8793, 19.2696,
61.0115

■ 20.8793, 19.2696,
61.0115

249.3802,
247.9331, 446.2239

■ 13.1478, 11.8652,
43.8038

■ 44.3794, 42.1892,
107.8533

■ 7.6081, 6.6520,
30.1803

■ 60.8786, 58.4732,
138.3245

■ 3.8949, 3.2454,
19.7222

■ 81.0311, 78.4858,
174.0539

■ 1.6428, 1.2612,
12.0112

■ 105.2022,
102.6116, 215.4602

■ 0.4201, 0.1108,
6.6287

133.7574,
131.2348, 262.9617

■ 0.0000, 0.0000,
3.1561

167.0618,

■ 0.0000, 0.0000,

164.7398, 316.9772

1.1749

205.4810,
203.5111, 377.9251

■ 0.0000, 0.0000,
0.0000

■ 20.8793, 19.2696,
61.0115

■ 20.8793, 19.2696,
61.0115

■ 17.9028, 15.4411,
60.4298

■ 24.6314, 23.8628,
61.7007

■ 15.6375, 12.3277,
59.9483

■ 29.2115, 29.2621,
62.5015

■ 14.0114, 9.8753,
59.5606

■ 34.6696, 35.5075,
63.4193

■ 13.0876, 8.3502,
59.3149

■ 41.0513, 42.6357,
64.4589

■ 48.3986, 50.6813,
65.6246

■ 56.7510, 59.6768,
66.9206

■ 66.1455, 69.6529,
68.3511

■ 76.6175, 80.6390,
69.9197

■ 85.0394, 91.0338,
71.4822

Harmonies

Analogous

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



15.8620, 19.2696, 60.8261



20.8793, 19.2696, 61.0115



26.0172, 19.2696, 47.6317

Triad

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



20.8793, 19.2696, 61.0115



26.1272, 19.2696, 6.8828



10.4589, 19.2696, 14.4444

Complementary

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



20.8793, 19.2696, 61.0115



40.2854, 40.5846, 12.9193

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.



12.3064, 19.2696, 6.7651



20.8793, 19.2696, 61.0115



21.0091, 19.2696, 3.9703

Square

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



20.8793, 19.2696, 61.0115



29.4042, 19.2696, 14.7111



15.9701, 19.2696, 3.9403



10.4370, 19.2696, 28.8197

Rectangle

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



20.8793, 19.2696, 61.0115



28.5615, 19.2696, 35.2846



15.9701, 19.2696, 3.9403



10.8694, 19.2696, 11.1839

Sweetspot

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



20.8801, 19.2702, 61.0120



69.7959, 72.6992, 104.9615



31.8549, 48.4194, 42.4754



14.2364, 14.7859, 22.3536



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



20.8801, 19.2702, 61.0120



27.4823, 22.9700, 97.5929



19.0483, 12.5778, 59.8168



10.8902, 11.4208, 14.2008



8.1371, 5.2982, 36.5500



0.4884, 0.4106, 1.9085

Inverse Universe

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



31.5085, 19.9036, 19.6343



46.7613, 26.3794, 22.0307



43.3745, 54.9662, 15.5325



11.3579, 11.2719, 12.4195



16.3181, 8.3378, 4.1280



0.8765, 0.4440, 0.3954

Previews

White Background



This preview shows how the XYZ color 20.8793, 19.2696, 61.0115 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 20.8793, 19.2696, 61.0115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

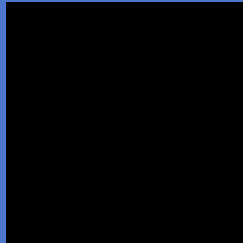
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.8793, 19.2696, 61.0115

Background



This preview shows how black text looks on a background with the XYZ color 20.8793, 19.2696, 61.0115.



This preview shows how white text looks on a background with the XYZ color 20.8793, 19.2696,

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

20.8793, 19.2696, 61.0115

Protanopia

21.1540, 19.2495, 60.3582

Deuteranopia

19.8425, 19.2875, 60.4347



Tritanopia

14.4722, 19.3391, 28.9567

Trichromacy



Original Color

20.8793, 19.2696, 61.0115

Protanomaly

20.9776, 19.1585, 60.3499

Deuteranomaly

20.1716, 19.2758, 60.4151

Tritanomaly

16.3470, 19.0911, 38.8998

Monochromacy



Original Color

20.8793, 19.2696, 61.0115

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.4968, 18.0104, 30.9879

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8793, 19.2696, 61.0115 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(78, 119, 206)` looks like.

```
.text, #text, p{  
    color:rgb(78, 119, 206)  
}
```

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(78, 119, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 119, 206) }
```

Border

The CSS property to change the border of an element to XYZ 20.8793, 19.2696, 61.0115 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(78, 119, 206) }
```


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

```
.border{ border-color:rgb(78, 119, 206) }
```

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

Here you see how a box with a 4 pixel rgb(78, 119, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 119, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 119, 206);  
box-shadow:4px 4px 4px 4px rgb(78, 119,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8793, 19.2696, 61.0115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 119, 206) }
```

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

```
.background{ background-color: rgb(78, 119,  
206) }
```

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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