

Converting Colors

XYZ(20.8152, 16.0326, 69.0142)

Have a look what the booklet for
XYZ(20.8152, 16.0326, 69.0142)
contains.

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Color

**XYZ(20.8230, 16.0227,
69.0130)**

Conversions

Conversions Part 1

Format	Color
Hex	5264DB
RGB	82, 100, 219
RGB Percent	32%, 39%, 86%
CMY	0.6784, 0.6078, 0.1412
CMYK	0.63, 0.54, 0.00, 0.14
HSL	232°, 66%, 59%
HSV	232°, 63%, 86%
XYZ	20.8230, 16.0227, 69.0130
YIQ	108.1840, -48.9270, 33.1930

Conversions

Conversions Part 2

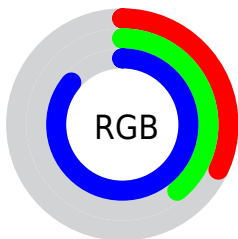
Format	Color
R_{YB}	82, 98, 219
Decimal	5399771
CIE _{Lab}	47.00, 29.85, -63.17
CIE _{LCh}	47, 69.868, 295.292
Yxy	16.0227, 0.1967, 0.1514
Android (android.graphics.Color)	4283589851 (0xFF5264DB)
YUV	108.1840, 54.6323, -22.9634
Hunter-Lab	40.0284, 22.8072, -74.2022

Details

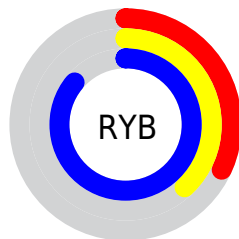
The XYZ color **20.8230, 16.0227, 69.0130** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted azure. A complement of this color would be **51.6249, 57.4457, 16.3512**, and the grayscale version is **14.1677, 14.9055, 16.2321**.

A 20% lighter version of the original color is **40.4443, 35.1929, 99.2690**, and **7.9300, 5.2827, 35.2520** is the 20% darker color. If you saturate the color by 10%, you get **17.5969, 11.9600, 68.3992**, and if you desaturate by 10%, it is **25.0841, 21.2514, 69.7980**.

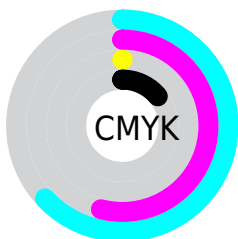
Distribution



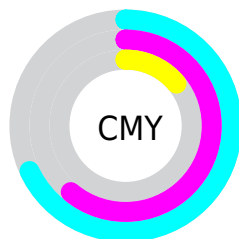
- Red (32%)
- Green (39%)
- Blue (86%)



- Red (32%)
- Yellow (38%)
- Blue (86%)



- Cyan (63%)
- Magenta (54%)
- Yellow (0%)
- Black (14%)



- Cyan (68%)
- Magenta (61%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8230, 16.0227, 69.0130 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 20.8230, 16.0227, 69.0130 by changing the saturation by 10% instead.

■ 20.8230, 16.0227,
69.0130

■ 20.8230, 16.0227,
69.0130

249.0859,
229.4756, 475.7720

■ 13.1064, 9.5402,
50.2505

■ 44.2863, 36.6376,
119.4680

■ 7.5794, 5.0952,
35.2399

■ 60.7637, 51.5388,
151.9976

■ 3.8765, 2.3032,
23.5627

■ 80.8920, 70.0151,
189.9533

■ 1.6325, 0.7754,
14.8003

■ 105.0367, 92.4507,
233.7536

■ 0.4135, 0.0000,
8.5343

133.5631,
119.2302, 283.8171

■ 0.0000, 0.0000,
4.3461

166.8365,

■ 0.0000, 0.0000,

150.7380, 340.5623

1.8171

205.2223,
187.3583, 404.4077

■ 0.0000, 0.0000,
0.4392

■ 0.0000, 0.0000,
0.0000

■ 20.8230, 16.0227,
69.0130

■ 20.8230, 16.0227,
69.0130

■ 17.5969, 11.9600,
68.3992

■ 25.0841, 21.2514,
69.7980

■ 15.3133, 8.9708,
67.9426

■ 30.4573, 27.7261,
70.7646

■ 13.8666, 6.9501,
67.6288

■ 37.0151, 35.5212,
71.9236

■ 13.2199, 5.9818,
67.4760

■ 44.8229, 44.7047,
73.2846

■ 53.9415, 55.3399,
74.8568

■ 64.4275, 67.4865,
76.6487

■ 76.3344, 81.2004,
78.6682

■ 88.8959, 96.1139,
80.8847

■ 89.7863, 97.8945,
81.1815

Harmonies

Analogous

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



14.2845, 16.0227, 77.0965



20.8230, 16.0227, 69.0130



27.0795, 16.0227, 44.4904

Triad

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



20.8230, 16.0227, 69.0130



22.9502, 16.0227, 1.8259



6.2615, 16.0227, 14.8262

Complementary

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



20.8230, 16.0227, 69.0130



51.6249, 57.4457, 16.3512

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.



7.4660, 16.0227, 4.4411



20.8230, 16.0227, 69.0130



16.2144, 16.0227, 0.7977

Square

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



20.8230, 16.0227, 69.0130



28.5203, 16.0227, 6.6541



10.7391, 16.0227, 1.2784



6.8820, 16.0227, 36.1418

Rectangle

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



20.8230, 16.0227, 69.0130



29.6619, 16.0227, 27.4647



10.7391, 16.0227, 1.2784



6.4545, 16.0227, 10.2188

Sweetspot

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



20.8238, 16.0232, 69.0134



67.4292, 67.9659, 104.1726



39.3233, 56.6620, 63.9591



13.6734, 13.6598, 22.1659



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.



20.8238, 16.0232, 69.0134



23.7098, 15.4249, 96.3354



25.3570, 16.0748, 68.7845



12.4759, 12.8915, 16.4829



7.8836, 3.6366, 40.0248



0.5566, 0.3273, 2.6083

Inverse Universe

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



34.5317, 22.0159, 14.4863



44.8571, 25.6178, 12.0033



43.1677, 59.6821, 17.2286



13.1253, 13.0792, 13.9212



17.4746, 8.9909, 1.6133



1.1552, 0.5917, 0.2265

Previews

White Background



This preview shows how the XYZ color 20.8230, 16.0227, 69.0130 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 20.8230, 16.0227, 69.0130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

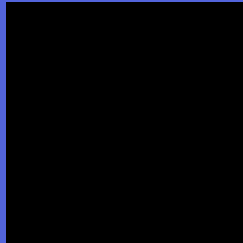
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.8230, 16.0227, 69.0130

Background



This preview shows how black text looks on a background with the XYZ color 20.8230, 16.0227, 69.0130.



This preview shows how white text looks on a background with the XYZ color 20.8230, 16.0227,

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

20.8230, 16.0227, 69.0130

Protanopia

19.3039, 16.1548, 74.7738

Deuteranopia

15.9832, 15.8415, 55.0386



Tritanopia

11.8175, 15.9423, 24.2841

Trichromacy



Original Color

20.8230, 16.0227, 69.0130

Protanomaly

19.2416, 15.7138, 72.5399

Deuteranomaly

16.9174, 15.4089, 59.8402

Tritanomaly

14.1343, 15.4450, 37.3582

Monochromacy



Original Color

20.8230, 16.0227, 69.0130

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

15.5425, 14.8939, 30.0726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8230, 16.0227, 69.0130 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(82, 100, 219)` looks like.

```
.text, #text, p{  
    color:rgb(82, 100, 219)  
}
```

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(82, 100, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 100, 219) }
```

Border

The CSS property to change the border of an element to XYZ 20.8230, 16.0227, 69.0130 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(82, 100, 219) }
```


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

```
.border{ border-color:rgb(82, 100, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 100, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 100, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 100, 219);  
box-shadow:4px 4px 4px 4px rgb(82, 100,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8230, 16.0227, 69.0130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 100, 219) }
```

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

```
.background{ background-color: rgb(82, 100,  
219) }
```

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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