

Converting Colors

XYZ(21.0868, 15.0840, 69.0252)

Have a look what the booklet for
XYZ(21.0868, 15.0840, 69.0252)
contains.

XYZ(21.0270, 15.0441, 68.8134)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.0270, 15.0441,
68.8134)**

Conversions

Conversions Part 1

Format	Color
Hex	5C5CDB
RGB	92, 92, 219
RGB Percent	36%, 36%, 86%
CMY	0.6392, 0.6392, 0.1412
CMYK	0.58, 0.58, 0.00, 0.14
HSL	240°, 64%, 61%
HSV	240°, 58%, 86%
XYZ	21.0270, 15.0441, 68.8134
YIQ	106.4780, -40.7670, 39.4970

Conversions

Conversions Part 2

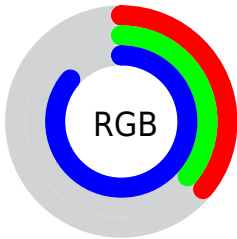
Format	Color
R_{YB}	92, 92, 219
Decimal	6053083
CIE Lab	45.69, 36.48, -65.26
CIE LCh	46, 74.765, 299.201
Yxy	15.0441, 0.2005, 0.1434
Android (android.graphics.Color)	4284243163 (0xFF5C5CDB)
YUV	106.4780, 55.4733, -12.6972
Hunter-Lab	38.7867, 28.8914, -78.0385

Details

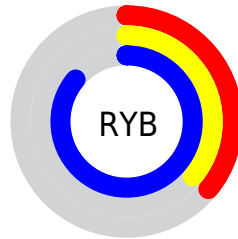
The XYZ color **21.0270, 15.0441, 68.8134** is a dark color, and the websafe version is hex **6666FF**. The color can be described as dark muted blue. A complement of this color would be **56.4751, 66.4952, 19.9836**, and the grayscale version is **13.6918, 14.4049, 15.6869**.

A 20% lighter version of the original color is **40.6719, 33.2414, 98.8803**, and **7.6880, 4.6500, 35.1427** is the 20% darker color. If you saturate the color by 10%, you get **17.5163, 10.8135, 68.1822**, and if you desaturate by 10%, it is **25.7195, 20.6978, 69.6577**.

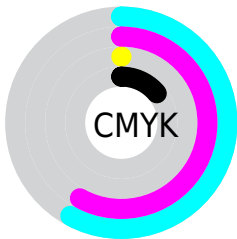
Distribution



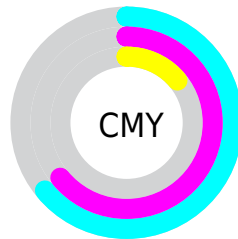
- Red (36%)
- Green (36%)
- Blue (86%)



- Red (36%)
- Yellow (36%)
- Blue (86%)



- Cyan (58%)
- Magenta (58%)
- Yellow (0%)
- Black (14%)



- Cyan (64%)
- Magenta (64%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0270, 15.0441, 68.8134 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 21.0270, 15.0441, 68.8134 by changing the saturation by 10% instead.

■ 21.0270, 15.0441,
68.8134

■ 21.0270, 15.0441,
68.8134

250.1509,
223.6330, 475.0487

■ 13.2563, 8.8503,
50.0889

■ 44.6234, 34.9305,
119.1802

■ 7.6835, 4.6437,
35.1124

■ 61.1798, 49.3920,
151.6596

■ 3.9432, 2.0398,
23.4652

■ 81.3955, 67.3781,
189.5611

■ 1.6700, 0.6304,
14.7289

■ 105.6359, 89.2734,
233.3033

■ 0.4374, 0.0000,
8.4848

134.2663,
115.4621, 283.3045

■ 0.0000, 0.0000,
4.3145

167.6520,

■ 0.0000, 0.0000,

146.3286, 339.9835

1.7994

206.1584,
182.2575, 403.7587

■ 0.0000, 0.0000,
0.4276

■ 0.0000, 0.0000,
0.0000

■ 21.0270, 15.0441,
68.8134

■ 21.0270, 15.0441,
68.8134

■ 17.5163, 10.8135,
68.1822

■ 25.7195, 20.6978,
69.6577

■ 15.0802, 7.8783,
67.7441

■ 31.6840, 27.8846,
70.7305

■ 13.5963, 6.0904,
67.4772

■ 39.0044, 36.7053,
72.0473

■ 12.8892, 5.2385,
67.3500

■ 47.7570, 47.2517,
73.6216

■ 12.7864, 5.1146,
67.3315

■ 58.0123, 59.6088,
75.4663

■ 69.8361, 73.8559,
77.5931

■ 83.2905, 90.0679,
80.0132

■ 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.



14.1315, 15.0441, 80.8767



21.0270, 15.0441, 68.8134



27.3618, 15.0441, 41.1944

Triad

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



21.0270, 15.0441, 68.8134



21.4059, 15.0441, 1.0191



5.3121, 15.0441, 15.9036

Complementary

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



21.0270, 15.0441, 68.8134



56.4751, 66.4952, 19.9836

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.



6.2398, 15.0441, 4.2962



21.0270, 15.0441, 68.8134



14.4678, 15.0441, 0.2815

Square

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



21.0270, 15.0441, 68.8134



27.6218, 15.0441, 4.6471



9.1851, 15.0441, 0.9453



6.1436, 15.0441, 39.6711

Rectangle

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



21.0270, 15.0441, 68.8134



29.7188, 15.0441, 23.7417



9.1851, 15.0441, 0.9453



5.4226, 15.0441, 10.7238

Sweetspot

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



21.0277, 15.0445, 68.8138



68.5573, 68.0776, 104.1347



42.5316, 58.0532, 75.9819



14.0944, 13.8730, 22.1848



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.



21.0277, 15.0445, 68.8138



23.6901, 14.0155, 96.0644



30.2273, 19.7871, 69.2443



12.3388, 12.6173, 16.4372



7.5817, 3.0327, 39.9242



0.4912, 0.1965, 2.5865

Inverse Universe

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



45.8262, 27.8287, 69.9700



61.9076, 33.7175, 97.8455



40.8773, 58.4542, 19.2537



13.6144, 13.2749, 16.4967



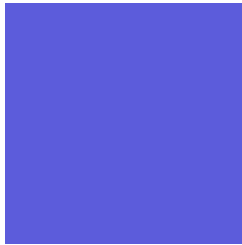
24.9029, 11.9622, 40.7304



1.6133, 0.7750, 2.6388

Previews

White Background



This preview shows how the XYZ color 21.0270, 15.0441, 68.8134 looks on a white background.

Color Contrast Check

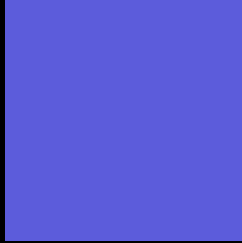
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0270, 15.0441, 68.8134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

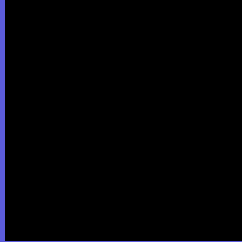
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.0270, 15.0441, 68.8134

Background



This preview shows how black text looks on a background with the XYZ color 21.0270, 15.0441, 68.8134.



This preview shows how white text looks on a background with the XYZ color 21.0270, 15.0441,

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

21.0270, 15.0441, 68.8134

Protanopia

18.0015, 15.1211, 70.3765

Deuteranopia

14.9799, 14.9134, 51.3793



Tritanopia

11.6485, 15.0132, 22.0226

Trichromacy



Original Color

21.0270, 15.0441, 68.8134

Protanomaly

18.1026, 14.6050, 69.5751

Deuteranomaly

16.0201, 14.2409, 57.1628

Tritanomaly

14.0916, 14.4921, 35.3123

Monochromacy



Original Color

21.0270, 15.0441, 68.8134

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

15.2870, 14.1806, 29.5352

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0270, 15.0441, 68.8134 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(92, 92, 219)` looks like.

```
.text, #text, p{  
    color:rgb(92, 92, 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(92, 92, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 92, 219) }
```

Border

The CSS property to change the border of an element to XYZ 21.0270, 15.0441, 68.8134 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(92, 92, 219) }
```


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

```
.border{ border-color:rgb(92, 92, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 92, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 92, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 92, 219);  
box-shadow:4px 4px 4px 4px rgb(92, 92,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0270, 15.0441, 68.8134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 92, 219) }
```

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

```
.background{ background-color: rgb(92, 92,  
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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