

Converting Colors

XYZ(20.2367, 13.9406, 66.5900)

Have a look what the booklet for
XYZ(20.2367, 13.9406, 66.5900)
contains.

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Color

**XYZ(20.2367, 13.9406,
66.5900)**

Conversions

Conversions Part 1

Format	Color
Hex	5D56D8
RGB	93, 86, 216
RGB Percent	36%, 34%, 85%
CMY	0.6353, 0.6627, 0.1529
CMYK	0.57, 0.60, 0.00, 0.15
HSL	243°, 63%, 59%
HSV	243°, 60%, 85%
XYZ	20.2367, 13.9406, 66.5900
YIQ	102.9130, -37.5580, 41.9140

Conversions

Conversions Part 2

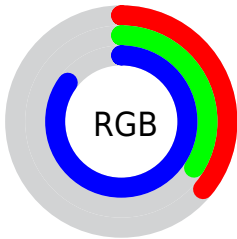
Format	Color
R_{YB}	93, 86, 216
Decimal	6117080
CIE Lab	44.15, 39.31, -66.06
CIE LCh	44, 76.871, 300.753
Yxy	13.9406, 0.2008, 0.1383
Android (android.graphics.Color)	4284307160 (0xFF5D56D8)
YUV	102.9130, 55.7519, -8.6937
Hunter-Lab	37.3371, 31.4070, -79.6066

Details

The XYZ color **20.2367, 13.9406, 66.5900** 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 **52.5286, 63.3384, 18.2611**, and the grayscale version is **12.7344, 13.3976, 14.5900**.

A 20% lighter version of the original color is **39.9910, 31.6006, 98.5995**, and **7.2851, 4.1490, 33.6746** is the 20% darker color. If you saturate the color by 10%, you get **16.9660, 10.0697, 66.0156**, and if you desaturate by 10%, it is **24.5824, 19.1390, 67.3647**.

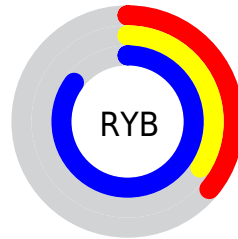
Distribution



Red (36%)

Green (34%)

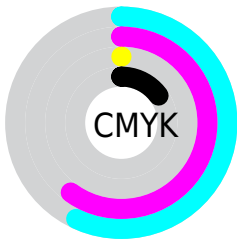
Blue (85%)



Red (36%)

Yellow (34%)

Blue (85%)

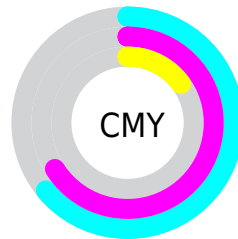


Cyan (57%)

Magenta (60%)

Yellow (0%)

Black (15%)



Cyan (64%)

Magenta (66%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2367, 13.9406, 66.5900 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 20.2367, 13.9406, 66.5900 by changing the saturation by 10% instead.

■ 20.2367, 13.9406,
66.5900

■ 20.2367, 13.9406,
66.5900

246.0029,
216.8610, 466.9457

■ 12.6765, 8.0794,
48.2920

■ 43.3146, 32.9836,
115.9678

■ 7.2816, 4.1458,
33.6966

■ 59.5630, 46.9341,
147.8847

■ 3.6867, 1.7554,
22.3851

■ 79.4381, 64.3499,
185.1782

■ 1.5265, 0.4592,
13.9391

■ 103.3054, 85.6153,
228.2671

■ 0.3437, 0.0000,
7.9401

■ 131.5302,
111.1147, 277.5697

■ 0.0000, 0.0000,
3.9694

164.4778,

■ 0.0000, 0.0000,

141.2325, 333.5046

1.6086

202.5135,
176.3532, 396.4904

■ 0.0000, 0.0000,
0.2969

■ 0.0000, 0.0000,
0.0000

■ 20.2367, 13.9406,
66.5900

■ 20.2367, 13.9406,
66.5900

■ 16.9660, 10.0697,
66.0156

■ 24.5824, 19.1390,
67.3647

■ 14.6745, 7.4048,
65.6220

■ 30.0835, 25.7696,
68.3546

■ 13.2529, 5.8039,
65.3879

■ 36.8156, 33.9278,
69.5745

■ 12.5414, 5.0335,
65.2767

■ 44.8468, 43.7007,
71.0375

■ 54.2404, 55.1686,
72.7559

■ 65.0557, 68.4066,
74.7411

■ 77.3483, 83.4852,
77.0037

■ 89.3947, 97.7379,
79.1198

Harmonies

Analogous

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



13.4056, 13.9406, 80.1283



20.2367, 13.9406, 66.5900



26.4237, 13.9406, 38.3646

Triad

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



20.2367, 13.9406, 66.5900



19.8831, 13.9406, 0.6324



4.6137, 13.9406, 15.6267

Complementary

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



20.2367, 13.9406, 66.5900



52.5286, 63.3384, 18.2611

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.



5.3975, 13.9406, 3.9388



20.2367, 13.9406, 66.5900



13.0959, 13.9406, 0.0000

Square

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



20.2367, 13.9406, 66.5900



26.1791, 13.9406, 3.6345



8.0910, 13.9406, 0.7030



5.4830, 13.9406, 39.8075

Rectangle

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



20.2367, 13.9406, 66.5900



28.6196, 13.9406, 21.2749



8.0910, 13.9406, 0.7030



4.6894, 13.9406, 10.3752

Sweetspot

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



20.2374, 13.9410, 66.5904



67.9037, 66.8038, 103.9233



39.1560, 52.7833, 73.0906



13.7306, 13.3191, 22.0971



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.



20.2374, 13.9410, 66.5904



23.7475, 13.5399, 95.9696



29.7250, 18.8320, 67.0344



11.8039, 12.0403, 15.6394



7.4517, 2.9940, 38.6383



0.4717, 0.1921, 2.3315

Inverse Universe

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



43.1548, 25.8578, 63.0343



60.0162, 32.4165, 89.5639



37.8249, 55.7584, 17.5730



12.9228, 12.6206, 15.5336



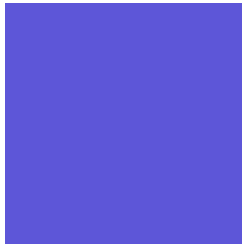
23.2517, 11.2370, 34.9592



1.4115, 0.6814, 2.1562

Previews

White Background



This preview shows how the XYZ color 20.2367, 13.9406, 66.5900 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 20.2367, 13.9406, 66.5900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

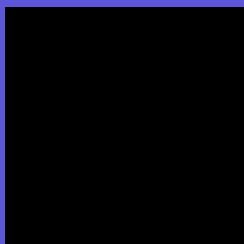
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.2367, 13.9406, 66.5900

Background



This preview shows how black text looks on a background with the XYZ color 20.2367, 13.9406, 66.5900.



This preview shows how white text looks on a background with the XYZ color 20.2367, 13.9406,

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

20.2367, 13.9406, 66.5900

Protanopia

16.5674, 13.9184, 64.7641

Deuteranopia

13.9094, 13.9761, 47.3119



Tritanopia

10.8762, 13.8096, 20.1814

Trichromacy



Original Color

20.2367, 13.9406, 66.5900

Protanomaly

16.8895, 13.3795, 65.3107

Deuteranomaly

15.0853, 13.2493, 53.9868

Tritanomaly

13.3052, 13.3660, 33.3311

Monochromacy



Original Color

20.2367, 13.9406, 66.5900

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

14.4543, 13.2157, 28.1746

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2367, 13.9406, 66.5900 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(93, 86, 216)` looks like.

```
.text, #text, p{  
    color:rgb(93, 86, 216)  
}
```

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(93, 86, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 86, 216) }
```

Border

The CSS property to change the border of an element to XYZ 20.2367, 13.9406, 66.5900 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(93, 86, 216) }
```


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

```
.border{ border-color:rgb(93, 86, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 86, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 86, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 86, 216);  
box-shadow:4px 4px 4px 4px rgb(93, 86,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2367, 13.9406, 66.5900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 86, 216) }
```

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

```
.background{ background-color: rgb(93, 86,  
216) }
```

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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