

Converting Colors

XYZ(20.8695, 14.1699, 68.3279)

Have a look what the booklet for
XYZ(20.8695, 14.1699, 68.3279)
contains.

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Color

**XYZ(20.9378, 14.2568,
68.6661)**

Conversions

Conversions Part 1

Format	Color
Hex	6056DB
RGB	96, 86, 219
RGB Percent	38%, 34%, 86%
CMY	0.6235, 0.6627, 0.1412
CMYK	0.56, 0.61, 0.00, 0.14
HSL	245°, 65%, 60%
HSV	245°, 61%, 86%
XYZ	20.9378, 14.2568, 68.6661
YIQ	104.1520, -36.7330, 43.4830

Conversions

Conversions Part 2

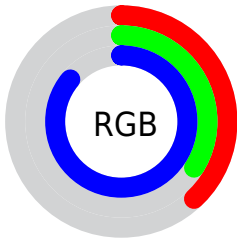
Format	Color
RYB	96, 86, 219
Decimal	6313691
CIELab	44.60, 40.77, -67.03
CIELCh	45, 78.455, 301.310
Yxy	14.2568, 0.2016, 0.1373
Android (android.graphics.Color)	4284503771 (0xFF6056DB)
YUV	104.1520, 56.6201, -7.1493
Hunter-Lab	37.7582, 32.9056, -81.3926

Details

The XYZ color **20.9378, 14.2568, 68.6661** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted purple. A complement of this color would be **53.3043, 64.8897, 18.5196**, and the grayscale version is **13.0596, 13.7398, 14.9626**.

A 20% lighter version of the original color is **40.5645, 31.8962, 98.6264**, and **7.6581, 4.3106, 35.0787** is the 20% darker color. If you saturate the color by 10%, you get **17.5862, 10.3190, 68.0830**, and if you desaturate by 10%, it is **25.3751, 19.5493, 69.4541**.

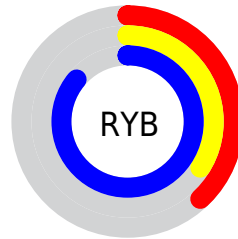
Distribution



Red (38%)

Green (34%)

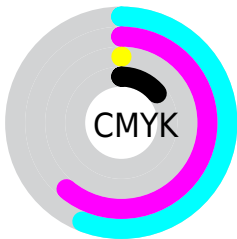
Blue (86%)



Red (38%)

Yellow (34%)

Blue (86%)

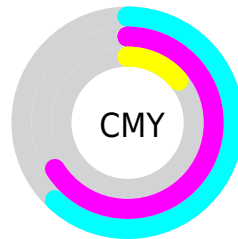


Cyan (56%)

Magenta (61%)

Yellow (0%)

Black (14%)



Cyan (62%)

Magenta (66%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9378, 14.2568, 68.6661 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 20.9378, 14.2568, 68.6661 by changing the saturation by 10% instead.

■ 20.9378, 14.2568,
68.6661

■ 20.9378, 14.2568,
68.6661

249.6857,
218.8226, 474.5144

■ 13.1907, 8.2995,
49.9698

■ 44.4760, 33.5440,
118.9677

■ 7.6379, 4.2872,
35.0184

■ 60.9980, 47.6427,
151.4101

■ 3.9140, 1.8355,
23.3934

■ 81.1755, 65.2239,
189.2716

■ 1.6536, 0.5091,
14.6762

■ 105.3741, 86.6721,
232.9708

■ 0.4270, 0.0000,
8.4484

■ 133.9591,
112.3717, 282.9261

■ 0.0000, 0.0000,
4.2913

167.2957,

■ 0.0000, 0.0000,

142.7070, 339.5561

1.7865

205.7495,
178.0625, 403.2794

■ 0.0000, 0.0000,
0.4190

■ 0.0000, 0.0000,
0.0000

■ 20.9378, 14.2568,
68.6661

■ 20.9378, 14.2568,
68.6661

■ 17.5862, 10.3190,
68.0830

■ 25.3751, 19.5493,
69.4541

■ 15.2244, 7.6111,
67.6848

■ 30.9788, 26.3038,
70.4625

■ 13.7433, 5.9871,
67.4494

■ 37.8244, 34.6181,
71.7066

■ 13.0081, 5.2289,
67.3418

■ 45.9802, 44.5813,
73.1998

■ 55.5099, 56.2759,
74.9548

■ 66.4727, 69.7785,
76.9833

■ 78.9246, 85.1615,
79.2962

■ 89.7862, 97.8945,
81.1814

Harmonies

Analogous

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



13.8317, 14.2568, 83.2953



20.9378, 14.2568, 68.6661



27.3319, 14.2568, 39.0901

Triad

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



20.9378, 14.2568, 68.6661



20.2984, 14.2568, 0.5643



4.6423, 14.2568, 16.3363

Complementary

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



20.9378, 14.2568, 68.6661



53.3043, 64.8897, 18.5196

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.



5.4139, 14.2568, 4.0600



20.9378, 14.2568, 68.6661



13.2735, 14.2568, 0.0000

Square

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



20.9378, 14.2568, 68.6661



26.8888, 14.2568, 3.5197



8.1443, 14.2568, 0.6897



5.5667, 14.2568, 41.7089

Rectangle

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



20.9378, 14.2568, 68.6661



29.5591, 14.2568, 21.4290



8.1443, 14.2568, 0.6897



4.7097, 14.2568, 10.8164

Sweetspot

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



20.9385, 14.2572, 68.6665



68.1861, 66.9494, 103.9365



39.7036, 53.2522, 75.2043



13.7978, 13.3537, 22.1003



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.



20.9385, 14.2572, 68.6665



23.7233, 13.2902, 95.9226



30.8860, 19.3853, 69.1320



12.4290, 12.6637, 16.4414



7.7482, 3.1185, 39.9320



0.5344, 0.2188, 2.5885

Inverse Universe

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



44.0493, 26.3189, 63.0765



59.2354, 31.8484, 86.2410



38.4491, 57.2315, 17.8244



13.5699, 13.2571, 16.2623



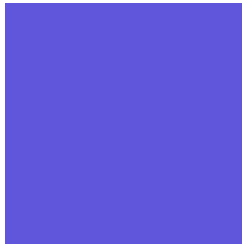
23.6984, 11.4804, 34.3876



1.5482, 0.7489, 2.2956

Previews

White Background



This preview shows how the XYZ color 20.9378, 14.2568, 68.6661 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 20.9378, 14.2568, 68.6661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

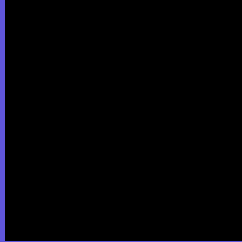
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.9378, 14.2568, 68.6661

Background



This preview shows how black text looks on a background with the XYZ color 20.9378, 14.2568, 68.6661.



This preview shows how white text looks on a background with the XYZ color 20.9378, 14.2568,

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

20.9378, 14.2568, 68.6661

Protanopia

16.9194, 14.2137, 66.1417

Deuteranopia

14.2255, 14.2703, 48.4591



Tritanopia

11.2815, 14.1761, 20.5540

Trichromacy



Original Color

20.9378, 14.2568, 68.6661



Protanomaly

17.2707, 13.6809, 66.6962



Deuteranomaly

15.4434, 13.5489, 55.2273



Tritanomaly

13.6837, 13.5513, 33.7927

Monochromacy



Original Color

20.9378, 14.2568, 68.6661



Achromatopsia

13.1579, 13.8432, 15.0752



Achromatomaly

14.8298, 13.3914, 28.9973

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9378, 14.2568, 68.6661 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(96, 86, 219) looks like.

```
.text, #text, p{  
    color:rgb(96, 86, 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(96, 86, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 86, 219) }
```

Border

The CSS property to change the border of an element to XYZ 20.9378, 14.2568, 68.6661 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(96, 86, 219) }
```


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

```
.border{ border-color:rgb(96, 86, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 86, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 86, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 86, 219);  
box-shadow:4px 4px 4px 4px rgb(96, 86,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9378, 14.2568, 68.6661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 86, 219) }
```

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

```
.background{ background-color: rgb(96, 86,  
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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