

Converting Colors

XYZ(20.0033, 18.6626, 41.4106)

Have a look what the booklet for
XYZ(20.0033, 18.6626, 41.4106)
contains.

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Color

**XYZ(20.1222, 18.7843,
41.5949)**

Conversions

Conversions Part 1

Format	Color
Hex	6E74AC
RGB	110, 116, 172
RGB Percent	43%, 45%, 67%
CMY	0.5686, 0.5451, 0.3255
CMYK	0.36, 0.33, 0.00, 0.33
HSL	234°, 27%, 55%
HSV	234°, 36%, 67%
XYZ	20.1222, 18.7843, 41.5949
YIQ	120.5900, -21.5520, 16.1440

Conversions

Conversions Part 2

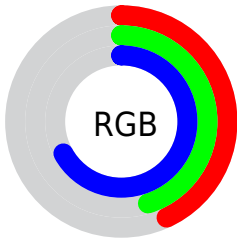
Format	Color
R_{YB}	110, 115, 172
Decimal	7238828
CIE _{Lab}	50.43, 11.65, -30.58
CIE _{LCh}	50, 32.720, 290.851
Yxy	18.7843, 0.2500, 0.2333
Android (android.graphics.Color)	4285428908 (0xFF6E74AC)
YUV	120.5900, 25.3451, -9.2874
Hunter-Lab	43.3409, 7.0271, -26.5629

Details

The XYZ color **20.1222, 18.7843, 41.5949** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **33.4646, 37.1696, 20.1634**, and the grayscale version is **17.9684, 18.9041, 20.5866**.

A 20% lighter version of the original color is **43.1105, 41.3932, 79.1163**, and **7.2005, 6.3960, 18.3078** is the 20% darker color. If you saturate the color by 10%, you get **16.5428, 14.4995, 40.9568**, and if you desaturate by 10%, it is **24.4179, 23.8837, 42.3531**.

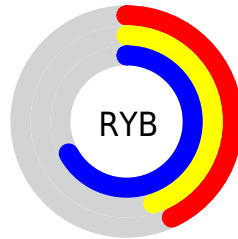
Distribution



Red (43%)

Green (45%)

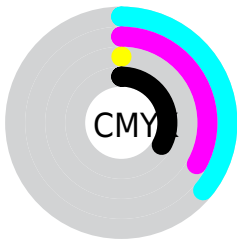
Blue (67%)



Red (43%)

Yellow (45%)

Blue (67%)

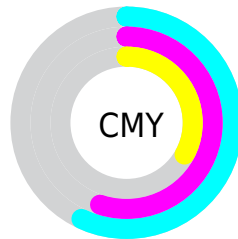


Cyan (36%)

Magenta (33%)

Yellow (0%)

Black (33%)



Cyan (57%)

Magenta (55%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1222, 18.7843, 41.5949 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 20.1222, 18.7843, 41.5949 by changing the saturation by 10% instead.

■ 20.1222, 18.7843,
41.5949

■ 20.1222, 18.7843,
41.5949

245.3969,
245.2554, 368.5509

■ 12.5927, 11.5145,
28.4610

■ 43.1243, 41.3693,
78.8496

■ 7.2237, 6.4140,
18.4314

■ 59.3277, 57.4533,
103.8075

■ 3.6500, 3.0984,
11.0875

■ 79.1530, 77.2442,
133.5439

■ 1.5061, 1.1833,
6.0108

■ 102.9657,
101.1263, 168.4772

■ 0.3300, 0.0480,
2.7828

131.1310,
129.4841, 209.0260

■ 0.0000, 0.0000,
0.9848

164.0145,

■ 0.0000, 0.0000,

162.7020, 255.6089

0.0000

201.9813,
201.1642, 308.6443

■ 20.1222, 18.7843,
41.5949

■ 20.1222, 18.7843,
41.5949

■ 16.5428, 14.4995,
40.9568

■ 24.4179, 23.8837,
42.3531

■ 13.6385, 10.9849,
40.4315

■ 29.4638, 29.8346,
43.2358

■ 11.3674, 8.1952,
40.0128

■ 35.2942, 36.6743,
44.2487

■ 9.6816, 6.0794,
39.6932

■ 41.9407, 44.4374,
45.3968

■ 8.5267, 4.5798,
39.4646

■ 49.4331, 53.1564,
46.6849

■ 7.8338, 3.6269,
39.3172

■ 57.7997, 62.8624,
48.1174

■ 7.6414, 3.3685,
39.2775

■ 67.0676, 73.5850,
49.6986

■ 77.2624, 85.3526,
51.4326

■ 84.4465, 95.7586,
53.0625

Harmonies

Analogous

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



16.8984, 18.7843, 43.0974



20.1222, 18.7843, 41.5949



23.0333, 18.7843, 33.6347

Triad

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



20.1222, 18.7843, 41.5949



22.0033, 18.7843, 9.6487



12.4675, 18.7843, 17.7907

Complementary

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



20.1222, 18.7843, 41.5949



33.4646, 37.1696, 20.1634

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.



13.5157, 18.7843, 11.2626



20.1222, 18.7843, 41.5949



18.8448, 18.7843, 7.5696

Square

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



20.1222, 18.7843, 41.5949



24.2059, 18.7843, 14.8268



15.7628, 18.7843, 8.0565



12.7235, 18.7843, 27.3478

Rectangle

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



20.1222, 18.7843, 41.5949



24.2821, 18.7843, 26.7581



15.7628, 18.7843, 8.0565



12.6739, 18.7843, 15.2253

Sweetspot

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



20.1229, 18.7850, 41.5953



58.3976, 59.9339, 79.2963



28.0481, 35.5664, 41.3674



12.3955, 12.6780, 17.1815



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.1229, 18.7850, 41.5953



31.3776, 27.9466, 74.5462



22.9826, 19.2656, 41.5374



7.6389, 7.8773, 10.0705



5.7060, 2.5458, 29.2352



0.1783, 0.1099, 0.8198

Inverse Universe

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



25.7422, 21.1842, 19.2558



43.1047, 33.1388, 27.8836



29.6361, 36.8529, 20.3040



8.0356, 8.0275, 8.4981



12.7438, 6.5600, 1.0301



0.3644, 0.1864, 0.0805

Previews

White Background



This preview shows how the XYZ color 20.1222, 18.7843, 41.5949 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 20.1222, 18.7843, 41.5949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

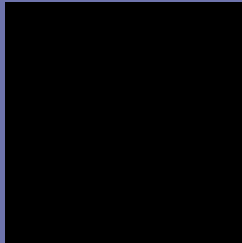
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.1222, 18.7843, 41.5949

Background



This preview shows how black text looks on a background with the XYZ color 20.1222, 18.7843, 41.5949.



This preview shows how white text looks on a background with the XYZ color 20.1222, 18.7843,

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

20.1222, 18.7843, 41.5949

Protanopia

19.5979, 18.8376, 42.6475

Deuteranopia

19.2030, 18.8433, 41.1531



Tritanopia

16.8081, 18.8755, 24.9477

Trichromacy



Original Color

20.1222, 18.7843, 41.5949

Protanomaly

19.7298, 18.7430, 42.1130

Deuteranomaly

19.5380, 18.8402, 41.1348

Tritanomaly

17.8128, 18.7244, 30.2791

Monochromacy



Original Color

20.1222, 18.7843, 41.5949

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.6666, 18.8690, 27.4692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1222, 18.7843, 41.5949 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(110, 116, 172)` looks like.

```
.text, #text, p{  
    color:rgb(110, 116, 172)  
}
```

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(110, 116, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 116, 172) }
```

Border

The CSS property to change the border of an element to XYZ 20.1222, 18.7843, 41.5949 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(110, 116, 172) }
```


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

```
.border{ border-color:rgb(110, 116, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 116, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 116, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 116, 172);  
box-shadow:4px 4px 4px 4px rgb(110, 116,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1222, 18.7843, 41.5949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 116, 172) }
```

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

```
.background{ background-color: rgb(110,  
116, 172) }
```

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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