

Converting Colors

XYZ(20.4132, 18.2087, 44.0342)

Have a look what the booklet for
XYZ(20.4132, 18.2087, 44.0342)
contains.

XYZ(20.4121, 18.2074, 44.0335)	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(20.4121, 18.2074,
44.0335)**

Conversions

Conversions Part 1

Format	Color
Hex	7070B1
RGB	112, 112, 177
RGB Percent	44%, 44%, 69%
CMY	0.5608, 0.5608, 0.3059
CMYK	0.37, 0.37, 0.00, 0.31
HSL	240°, 29%, 57%
HSV	240°, 37%, 69%
XYZ	20.4121, 18.2074, 44.0335
YIQ	119.4100, -20.8650, 20.2150

Conversions

Conversions Part 2

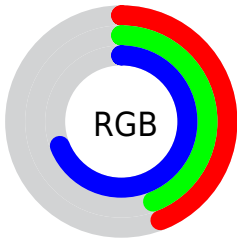
Format	Color
R_{YB}	112, 112, 177
Decimal	7368881
CIE _{Lab}	49.75, 16.03, -34.54
CIE _{LCh}	50, 38.084, 294.897
Yxy	18.2074, 0.2470, 0.2203
Android (android.graphics.Color)	4285558961 (0xFF7070B1)
YUV	119.4100, 28.3919, -6.4986
Hunter-Lab	42.6701, 10.7163, -31.3153

Details

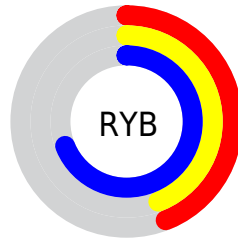
The XYZ color **20.4121, 18.2074, 44.0335** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **36.7783, 41.9615, 21.4908**, and the grayscale version is **17.5825, 18.4982, 20.1445**.

A 20% lighter version of the original color is **43.7093, 40.5411, 82.6123**, and **7.3350, 6.0827, 19.8563** is the 20% darker color. If you saturate the color by 10%, you get **16.6128, 13.6293, 43.3504**, and if you desaturate by 10%, it is **25.0393, 23.7828, 44.8661**.

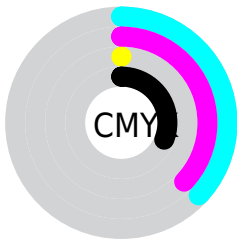
Distribution



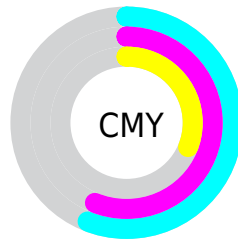
- Red (44%)
- Green (44%)
- Blue (69%)



- Red (44%)
- Yellow (44%)
- Blue (69%)



- Cyan (37%)
- Magenta (37%)
- Yellow (0%)
- Black (31%)



- Cyan (56%)
- Magenta (56%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4121, 18.2074, 44.0335 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 20.4121, 18.2074, 44.0335 by changing the saturation by 10% instead.

■ 20.4121, 18.2074,
44.0335

■ 20.4121, 18.2074,
44.0335

246.9287,
242.0375, 378.8903

■ 12.8050, 11.0990,
30.3595

■ 43.6057, 40.3904,
82.5712

■ 7.3704, 6.1335,
19.8572

■ 59.9229, 56.2338,
108.2719

■ 3.7432, 2.9264,
12.1083

■ 79.8741, 75.7577,
138.8185

■ 1.5579, 1.0934,
6.6940

■ 103.8248, 99.3463,
174.6297

■ 0.3647, 0.0000,
3.1960

132.1402,
127.3843, 216.1239

■ 0.0000, 0.0000,
1.1955

165.1858,

■ 0.0000, 0.0000,

160.2558, 263.7198

0.0000

203.3268,
198.3454, 317.8357

■ 20.4121, 18.2074,
44.0335

■ 20.4121, 18.2074,
44.0335

■ 16.6128, 13.6293,
43.3504

■ 25.0393, 23.7828,
44.8661

■ 13.5907, 9.9879,
42.8068

■ 30.5372, 30.4074,
45.8550

■ 11.2927, 7.2191,
42.3935

■ 36.9478, 38.1318,
47.0081

■ 9.6584, 5.2498,
42.0996

■ 44.3100, 47.0028,
48.3324

■ 8.6173, 3.9954,
41.9123

■ 52.6604, 57.0645,
49.8343

■ 8.0715, 3.3378,
41.8141

■ 62.0335, 68.3587,
51.5203

■ 7.9359, 3.1744,
41.7897

■ 72.4625, 80.9250,
53.3962

■ 83.9788, 94.8015,
55.4677

■ 84.9359, 95.9543,
55.6397

Harmonies

Analogous

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



16.6924, 18.2074, 47.1297



20.4121, 18.2074, 44.0335



23.6641, 18.2074, 33.6778

Triad

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



20.4121, 18.2074, 44.0335



21.6357, 18.2074, 7.5591



11.2450, 18.2074, 18.1001

Complementary

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



20.4121, 18.2074, 44.0335



36.7783, 41.9615, 21.4908

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.



12.2022, 18.2074, 10.4115



20.4121, 18.2074, 44.0335



17.9336, 18.2074, 5.8397

Square

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



20.4121, 18.2074, 44.0335



24.4369, 18.2074, 12.5465



14.5314, 18.2074, 6.6626



11.7172, 18.2074, 29.4826

Rectangle

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



20.4121, 18.2074, 44.0335



24.9533, 18.2074, 25.5000



14.5314, 18.2074, 6.6626



11.4058, 18.2074, 15.0610

Sweetspot

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



20.4128, 18.2081, 44.0339



60.8382, 61.8657, 83.2300



30.3405, 38.0637, 47.3432



12.8583, 13.0141, 17.9786



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



20.4128, 18.2081, 44.0339



30.9808, 25.8892, 77.8596



25.3196, 20.7377, 44.2636



8.0420, 8.2302, 10.6711



5.7498, 2.2999, 30.2779



0.1809, 0.0724, 0.9527

Inverse Universe

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



31.8617, 24.1103, 44.5691



54.4726, 37.9997, 78.9575



30.2364, 38.5890, 21.1846



8.8501, 8.6467, 10.7088



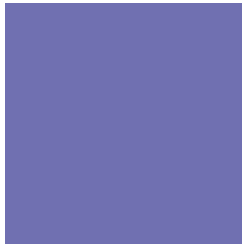
18.8864, 9.0721, 30.8914



0.5942, 0.2854, 0.9720

Previews

White Background



This preview shows how the XYZ color 20.4121, 18.2074, 44.0335 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 20.4121, 18.2074, 44.0335 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 20.4121, 18.2074, 44.0335

Background



This preview shows how black text looks on a background with the XYZ color 20.4121, 18.2074, 44.0335.

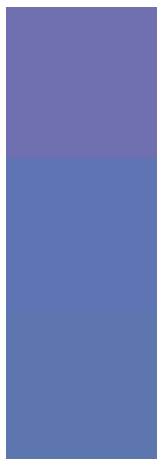


This preview shows how white text looks on a background with the XYZ color 20.4121, 18.2074,

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

20.4121, 18.2074, 44.0335

Protanopia

19.2029, 18.2190, 45.6845

Deuteranopia

18.8291, 18.4186, 43.6370



Tritanopia

16.3009, 18.0801, 24.1034

Trichromacy



Original Color

20.4121, 18.2074, 44.0335

Protanomaly

19.6342, 18.2828, 45.1419

Deuteranomaly

19.3374, 18.3347, 43.5941

Tritanomaly

17.6494, 18.0982, 30.5801

Monochromacy



Original Color

20.4121, 18.2074, 44.0335

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.1815, 18.0972, 27.3458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4121, 18.2074, 44.0335 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(112, 112, 177)` looks like.

```
.text, #text, p{  
    color:rgb(112, 112, 177)  
}
```

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(112, 112, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 112, 177) }
```

Border

The CSS property to change the border of an element to XYZ 20.4121, 18.2074, 44.0335 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(112, 112, 177) }
```


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

```
.border{ border-color:rgb(112, 112, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 112, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 112, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 112, 177);  
box-shadow:4px 4px 4px 4px rgb(112, 112,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4121, 18.2074, 44.0335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 112, 177) }
```

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

```
.background{ background-color: rgb(112,  
112, 177) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor