

Converting Colors

XYZ(22.0300, 20.3960, 50.7496)

Have a look what the booklet for
XYZ(22.0300, 20.3960, 50.7496)
contains.

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Color

**XYZ(22.0861, 20.4747,
50.9321)**

Conversions

Conversions Part 1

Format	Color
Hex	6B79BD
RGB	107, 121, 189
RGB Percent	42%, 47%, 74%
CMY	0.5804, 0.5255, 0.2588
CMYK	0.43, 0.36, 0.00, 0.26
HSL	230°, 38%, 58%
HSV	230°, 43%, 74%
XYZ	22.0861, 20.4747, 50.9321
YIQ	124.5660, -30.1720, 18.1800

Conversions

Conversions Part 2

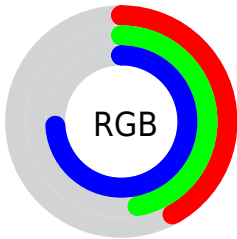
Format	Color
R _{YB}	107, 119, 189
Decimal	7043517
CIE _{Lab}	52.37, 12.70, -37.37
CIE _{LCh}	52, 39.473, 288.765
Y _{xy}	20.4747, 0.2362, 0.2190
Android (android.graphics.Color)	4285233597 (0xFF6B79BD)
YUV	124.5660, 31.7660, -15.4054
Hunter-Lab	45.2490, 7.9404, -35.0623

Details

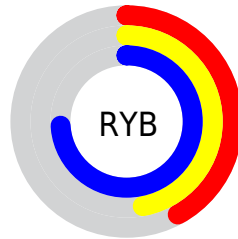
The XYZ color **22.0861, 20.4747, 50.9321** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **38.9709, 42.5413, 20.0682**, and the grayscale version is **19.2521, 20.2547, 22.0574**.

A 20% lighter version of the original color is **46.4784, 44.2223, 93.2749**, and **8.2239, 7.2712, 23.8917** is the 20% darker color. If you saturate the color by 10%, you get **18.3048, 15.9242, 50.2534**, and if you desaturate by 10%, it is **26.6750, 25.9017, 51.7381**.

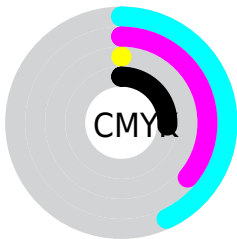
Distribution



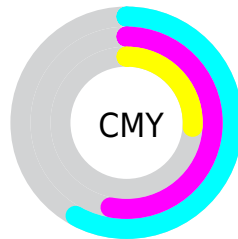
- Red (42%)
- Green (47%)
- Blue (74%)



- Red (42%)
- Yellow (47%)
- Blue (74%)



- Cyan (43%)
- Magenta (36%)
- Yellow (0%)
- Black (26%)



- Cyan (58%)
- Magenta (53%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0861, 20.4747, 50.9321 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 22.0861, 20.4747, 50.9321 by changing the saturation by 10% instead.

■ 22.0861, 20.4747,
50.9321

■ 22.0861, 20.4747,
50.9321

255.6195,
254.4735, 407.1389

■ 14.0371, 12.7406,
35.7782

■ 46.3661, 44.2116,
92.9649

■ 8.2284, 7.2501,
23.9746

■ 63.3278, 60.9832,
120.6808

■ 4.2945, 3.6190,
15.1028

■ 83.9911, 81.5361,
153.4213

■ 1.8700, 1.4628,
8.7441

■ 108.7214,
106.2547, 191.6047

■ 0.5593, 0.2623,
4.4801

137.8840,
135.5233, 235.6496

■ 0.0000, 0.0000,
1.8923

171.8443,

■ 0.0000, 0.0000,

169.7264, 285.9746

0.4878

210.9677,
209.2483, 342.9982

■ 0.0000, 0.0000,
0.0000

■ 22.0861, 20.4747,
50.9321

■ 22.0861, 20.4747,
50.9321

■ 18.3048, 15.9242,
50.2534

■ 26.6750, 25.9017,
51.7381

■ 15.2812, 12.2011,
49.6942

■ 32.1129, 32.2460,
52.6761

■ 12.9634, 9.2551,
49.2477

■ 38.4409, 39.5488,
53.7522

■ 11.2913, 7.0291,
48.9062

■ 45.6971, 47.8477,
54.9716

■ 10.1948, 5.4573,
48.6606

■ 53.9170, 57.1787,
56.3394

■ 9.7091, 4.7216,
48.5442

■ 63.1344, 67.5756,
57.8604

■ 73.3813, 79.0710,
59.5392

■ 83.4998, 91.0830,
61.3244

■ 86.1854, 96.4542,
62.2196

Harmonies

Analogous

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



17.9765, 20.4747, 52.2641



22.0861, 20.4747, 50.9321



25.9534, 20.4747, 40.5532

Triad

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



22.0861, 20.4747, 50.9321



25.0834, 20.4747, 9.3369



12.7542, 20.4747, 18.2087

Complementary

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



22.0861, 20.4747, 50.9321



38.9709, 42.5413, 20.0682

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.



14.1524, 20.4747, 10.5502



22.0861, 20.4747, 50.9321



21.0242, 20.4747, 6.7520

Square

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



22.0861, 20.4747, 50.9321



27.8434, 20.4747, 15.8373



17.0519, 20.4747, 7.1012



12.9558, 20.4747, 30.3018

Rectangle

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



22.0861, 20.4747, 50.9321



27.6973, 20.4747, 31.4284



17.0519, 20.4747, 7.1012



13.0438, 20.4747, 15.1261

Sweetspot

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



22.0869, 20.4754, 50.9326



69.0621, 71.0781, 96.3057



31.8984, 42.5763, 46.5648



14.2806, 14.6287, 20.6135



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



22.0869, 20.4754, 50.9326



33.1218, 28.9309, 90.0647



24.1115, 19.1743, 50.5747



9.1446, 9.4816, 12.0204



6.5719, 3.2555, 32.6749



0.2988, 0.2102, 1.2937

Inverse Universe

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



29.6958, 22.7156, 20.9093



48.6841, 34.0879, 28.5303



35.9632, 45.2474, 20.7490



9.5949, 9.5622, 10.2556



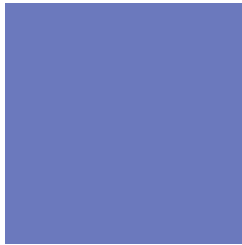
14.3180, 7.3583, 1.7020



0.5817, 0.2966, 0.1766

Previews

White Background



This preview shows how the XYZ color 22.0861, 20.4747, 50.9321 looks on a white background.

Color Contrast Check

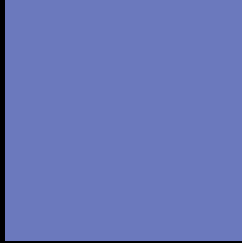
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0861, 20.4747, 50.9321 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 22.0861, 20.4747, 50.9321

Background



This preview shows how black text looks on a background with the XYZ color 22.0861, 20.4747, 50.9321.

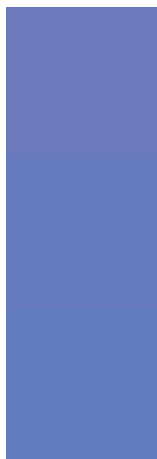


This preview shows how white text looks on a background with the XYZ color 22.0861, 20.4747,

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

22.0861, 20.4747, 50.9321

Protanopia

21.6206, 20.4035, 51.5139

Deuteranopia

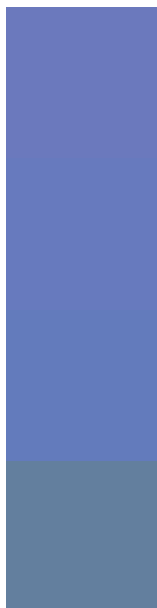
21.0041, 20.4790, 50.4228



Tritanopia

17.5401, 20.5354, 28.2386

Trichromacy



Original Color

22.0861, 20.4747, 50.9321

Protanomaly

21.8473, 20.5203, 51.5245

Deuteranomaly

21.3056, 20.4494, 50.4012

Tritanomaly

18.9065, 20.3000, 35.2696

Monochromacy



Original Color

22.0861, 20.4747, 50.9321

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.0242, 20.4050, 30.9001

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0861, 20.4747, 50.9321 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(107, 121, 189)` looks like.

```
.text, #text, p{  
    color:rgb(107, 121, 189)  
}
```

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(107, 121, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 121, 189) }
```

Border

The CSS property to change the border of an element to XYZ 22.0861, 20.4747, 50.9321 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(107, 121, 189) }
```


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

```
.border{ border-color:rgb(107, 121, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 121, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 121, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 121, 189);  
box-shadow:4px 4px 4px 4px rgb(107, 121,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0861, 20.4747, 50.9321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 121, 189) }
```

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

```
.background{ background-color: rgb(107,  
121, 189) }
```

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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