

Converting Colors

XYZ(20.1061, 21.3712, 49.5690)

Have a look what the booklet for
XYZ(20.1061, 21.3712, 49.5690)
contains.

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Color

**XYZ(20.1211, 21.3975,
49.5240)**

Conversions

Conversions Part 1

Format	Color
Hex	4E83BA
RGB	78, 131, 186
RGB Percent	31%, 51%, 73%
CMY	0.6941, 0.4863, 0.2706
CMYK	0.58, 0.30, 0.00, 0.27
HSL	211°, 44%, 52%
HSV	211°, 58%, 73%
XYZ	20.1211, 21.3975, 49.5240
YIQ	121.4230, -49.2430, 5.8690

Conversions

Conversions Part 2

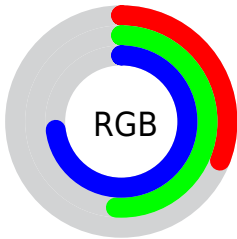
Format	Color
R _Y B	78, 114, 186
Decimal	5145530
CIE Lab	53.38, -1.07, -34.19
CIE LCh	53, 34.202, 268.215
Yxy	21.3975, 0.2210, 0.2350
Android (android.graphics.Color)	4283335610 (0xFF4E83BA)
YUV	121.4230, 31.8365, -38.0820
Hunter-Lab	46.2574, -3.3064, -31.0967

Details

The XYZ color **20.1211, 21.3975, 49.5240** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **30.0132, 27.7654, 10.9861**, and the grayscale version is **18.2231, 19.1721, 20.8784**.

A 20% lighter version of the original color is **43.1592, 45.8427, 90.5782**, and **7.2634, 7.7345, 23.3004** is the 20% darker color. If you saturate the color by 10%, you get **17.5926, 18.2913, 49.0581**, and if you desaturate by 10%, it is **23.1984, 24.9601, 50.0499**.

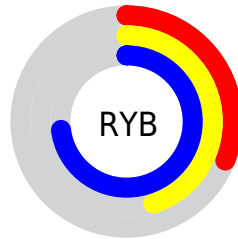
Distribution



Red (31%)

Green (51%)

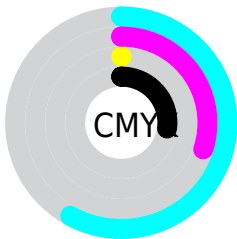
Blue (73%)



Red (31%)

Yellow (45%)

Blue (73%)

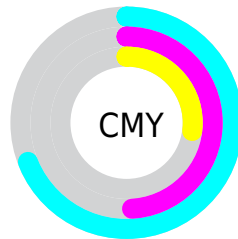


Cyan (58%)

Magenta (30%)

Yellow (0%)

Black (27%)



Cyan (69%)

Magenta (49%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1211, 21.3975, 49.5240 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 20.1211, 21.3975, 49.5240 by changing the saturation by 10% instead.

■ 20.1211, 21.3975,
49.5240

■ 20.1211, 21.3975,
49.5240

245.3910,
259.3835, 401.4832

■ 12.5919, 13.4149,
34.6668

■ 43.1225, 45.7482,
90.8582

■ 7.2232, 7.7148,
23.1248

■ 59.3254, 62.8850,
118.1724

■ 3.6496, 3.9130,
14.4795

■ 79.1503, 83.8420,
150.4759

■ 1.5059, 1.6250,
8.3124

■ 102.9624,
109.0035, 188.1873

■ 0.3298, 0.3744,
4.2049

■ 131.1272,
138.7541, 231.7252

■ 0.0000, 0.0000,
1.7384

164.0100,

■ 0.0000, 0.0000,

173.4780, 281.5081

0.3868

201.9762,
213.5597, 337.9546

■ 0.0000, 0.0000,
0.0000

■ 20.1211, 21.3975,
49.5240

■ 20.1211, 21.3975,
49.5240

■ 17.5926, 18.2913,
49.0581

■ 23.1984, 24.9601,
50.0499

■ 15.5702, 15.6136,
48.6479

■ 26.8581, 28.9997,
50.6367

■ 14.0075, 13.3362,
48.2907

■ 31.1339, 33.5383,
51.2874

■ 12.8323, 11.4169,
47.9821

■ 36.0557, 38.5954,
52.0041

■ 12.6278, 11.0748,
47.9269

■ 41.6517, 44.1896,
52.7890

■ 47.9481, 50.3382,
53.6439

■ 54.9697, 57.0579,
54.5708

■ 62.7402, 64.3643,
55.5716

■ 71.2818, 72.2726,
56.6478

Harmonies

Analogous

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



16.8792, 21.3975, 44.7478



20.1211, 21.3975, 49.5240



23.8182, 21.3975, 45.7165

Triad

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



20.1211, 21.3975, 49.5240



27.1268, 21.3975, 15.0699



14.9643, 21.3975, 14.2778

Complementary

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



20.1211, 21.3975, 49.5240



30.0132, 27.7654, 10.9861

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.



17.2139, 21.3975, 9.7529



20.1211, 21.3975, 49.5240



24.2389, 21.3975, 10.1054

Square

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



20.1211, 21.3975, 49.5240



28.1396, 21.3975, 23.9263



20.5558, 21.3975, 8.4885



14.1302, 21.3975, 22.6813

Rectangle

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



20.1211, 21.3975, 49.5240



25.9969, 21.3975, 39.3121



20.5558, 21.3975, 8.4885



15.5658, 21.3975, 12.3581

Sweetspot

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



20.1219, 21.3983, 49.5245



66.0998, 70.7120, 94.3664



24.8664, 38.4041, 27.9330



14.1348, 15.1447, 20.7208



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.



20.1219, 21.3983, 49.5245



30.6579, 31.5700, 88.6792



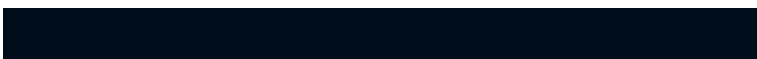
14.7300, 10.6146, 47.7273



8.8752, 9.4276, 11.4314



8.5702, 7.6000, 32.2683



0.3641, 0.3919, 1.1582

Inverse Universe

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



27.0715, 17.5274, 23.4298



45.0566, 26.0406, 34.0557



39.1843, 46.1075, 14.0431



9.1833, 9.0837, 10.3129



14.9395, 7.5496, 7.5682



0.5579, 0.2787, 0.4315

Previews

White Background



This preview shows how the XYZ color 20.1211, 21.3975, 49.5240 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 20.1211, 21.3975, 49.5240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

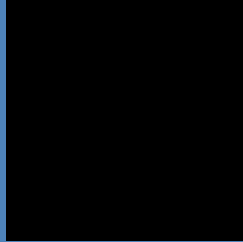
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.1211, 21.3975, 49.5240

Background



This preview shows how black text looks on a background with the XYZ color 20.1211, 21.3975, 49.5240.

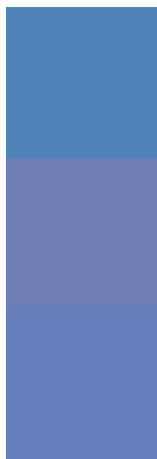


This preview shows how white text looks on a background with the XYZ color 20.1211, 21.3975,

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

20.1211, 21.3975, 49.5240

Protanopia

21.9808, 21.2546, 46.6601

Deuteranopia

21.7973, 21.2763, 49.9716



Tritanopia

16.5632, 21.4036, 31.6921

Trichromacy



Original Color

20.1211, 21.3975, 49.5240

Protanomaly

21.1736, 21.1943, 47.7747

Deuteranomaly

21.2030, 21.3534, 50.0178

Tritanomaly

17.5695, 21.1655, 37.3418

Monochromacy



Original Color

20.1211, 21.3975, 49.5240

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.2701, 19.7148, 29.6305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1211, 21.3975, 49.5240 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(78, 131, 186)` looks like.

```
.text, #text, p{  
    color:rgb(78, 131, 186)  
}
```

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(78, 131, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 131, 186) }
```

Border

The CSS property to change the border of an element to XYZ 20.1211, 21.3975, 49.5240 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(78, 131, 186) }
```


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

```
.border{ border-color:rgb(78, 131, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 131, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 131, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 131, 186);  
box-shadow:4px 4px 4px 4px rgb(78, 131,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1211, 21.3975, 49.5240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 131, 186) }
```

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

```
.background{ background-color: rgb(78, 131,  
186) }
```

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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