

Converting Colors

XYZ(20.0853, 21.5619, 50.0665)

Have a look what the booklet for
XYZ(20.0853, 21.5619, 50.0665)
contains.

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Color

**XYZ(20.1226, 21.5862,
50.1197)**

Conversions

Conversions Part 1

Format	Color
Hex	4B84BB
RGB	75, 132, 187
RGB Percent	29%, 52%, 73%
CMY	0.7059, 0.4823, 0.2667
CMYK	0.60, 0.29, 0.00, 0.27
HSL	209°, 45%, 51%
HSV	209°, 60%, 73%
XYZ	20.1226, 21.5862, 50.1197
YIQ	121.2270, -51.6270, 5.0210

Conversions

Conversions Part 2

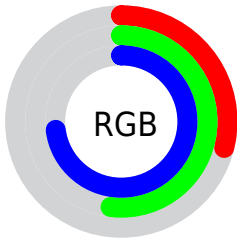
Format	Color
R _Y B	75, 113, 187
Decimal	4949179
CIE Lab	53.59, -1.93, -34.45
CIE LCh	54, 34.503, 266.786
Yxy	21.5862, 0.2191, 0.2351
Android (android.graphics.Color)	4283139259 (0xFF4B84BB)
YUV	121.2270, 32.4261, -40.5411
Hunter-Lab	46.4610, -3.9969, -31.4364

Details

The XYZ color **20.1226, 21.5862, 50.1197** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **29.7474, 27.0399, 10.3092**, and the grayscale version is **18.1586, 19.1042, 20.8045**.

A 20% lighter version of the original color is **43.0423, 46.0745, 91.4187**, and **7.3269, 7.8800, 23.3251** is the 20% darker color. If you saturate the color by 10%, you get **17.6782, 18.5583, 49.6645**, and if you desaturate by 10%, it is **23.1080, 25.0565, 50.6326**.

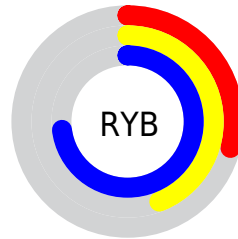
Distribution



Red (29%)

Green (52%)

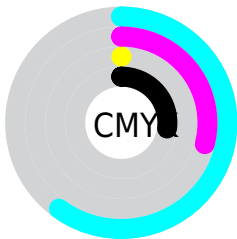
Blue (73%)



Red (29%)

Yellow (44%)

Blue (73%)

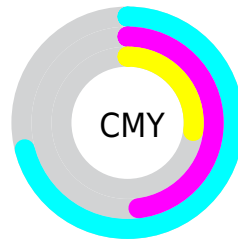


Cyan (60%)

Magenta (29%)

Yellow (0%)

Black (27%)



Cyan (71%)

Magenta (48%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1226, 21.5862, 50.1197 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 20.1226, 21.5862, 50.1197 by changing the saturation by 10% instead.

■ 20.1226, 21.5862,
50.1197

■ 20.1226, 21.5862,
50.1197

245.3990,
260.3776, 403.8823

■ 12.5930, 13.5532,
35.1367

■ 43.1250, 46.0611,
91.7503

■ 7.2239, 7.8105,
23.4838

■ 59.3285, 63.2718,
119.2350

■ 3.6501, 3.9740,
14.7425

■ 79.1540, 84.3105,
151.7240

■ 1.5062, 1.6590,
8.4942

■ 102.9669,
109.5615, 189.6358

■ 0.3300, 0.3969,
4.3205

■ 131.1324,
139.4094, 233.3890

■ 0.0000, 0.0000,
1.8028

164.0161,

■ 0.0000, 0.0000,

174.2384, 283.4022

0.4298

201.9831,
214.4330, 340.0937

■ 0.0000, 0.0000,
0.0000

■ 20.1226, 21.5862,
50.1197

■ 20.1226, 21.5862,
50.1197

■ 17.6782, 18.5583,
49.6645

■ 23.1080, 25.0565,
50.6326

■ 15.7308, 15.9449,
49.2627

■ 26.6690, 28.9899,
51.2041

■ 14.2323, 13.7171,
48.9117

■ 30.8396, 33.4082,
51.8372

■ 13.0887, 11.8220,
48.6062

■ 35.6507, 38.3312,
52.5338

■ 13.0769, 11.8023,
48.6030

■ 41.1306, 43.7770,
53.2961

■ 47.3060, 49.7629,
54.1261

■ 54.2020, 56.3053,
55.0254

■ 61.8425, 63.4198,
55.9960

■ 70.2502, 71.1215,
57.0394

Harmonies

Analogous

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



16.8778, 21.5862, 44.8782



20.1226, 21.5862, 50.1197



23.8762, 21.5862, 46.6509

Triad

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



20.1226, 21.5862, 50.1197



27.5091, 21.5862, 15.4984



15.1451, 21.5862, 14.0539

Complementary

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



20.1226, 21.5862, 50.1197



29.7474, 27.0399, 10.3092

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.



17.4887, 21.5862, 9.6511



20.1226, 21.5862, 50.1197



24.6451, 21.5862, 10.2930

Square

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



20.1226, 21.5862, 50.1197



28.4295, 21.5862, 24.6591



20.9166, 21.5862, 8.5145



14.2285, 21.5862, 22.3850

Rectangle

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



20.1226, 21.5862, 50.1197



26.1220, 21.5862, 40.3023



20.9166, 21.5862, 8.5145



15.7773, 21.5862, 12.1735

Sweetspot

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



20.1234, 21.5870, 50.1202



65.3369, 70.1458, 94.2973



24.6443, 38.6257, 26.9734



13.7936, 14.8482, 20.6815



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.



20.1234, 21.5870, 50.1202



30.4250, 31.6254, 88.7021



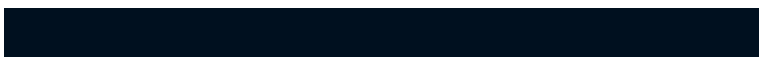
14.5169, 10.3741, 48.2514



9.4070, 10.0064, 12.1078



9.0825, 8.2768, 33.5118



0.4211, 0.4549, 1.3345

Inverse Universe

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



27.1752, 17.2640, 23.7303



44.8118, 25.4557, 34.2684



39.1410, 45.8271, 13.4404



9.7273, 9.6152, 10.9530



15.5852, 7.8652, 8.3752



0.6435, 0.3213, 0.5017

Previews

White Background



This preview shows how the XYZ color 20.1226, 21.5862, 50.1197 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 20.1226, 21.5862, 50.1197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

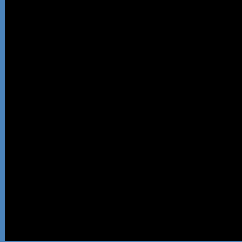
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.1226, 21.5862, 50.1197

Background



This preview shows how black text looks on a background with the XYZ color 20.1226, 21.5862, 50.1197.

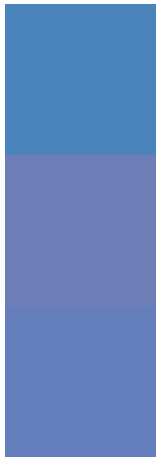


This preview shows how white text looks on a background with the XYZ color 20.1226, 21.5862,

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

20.1226, 21.5862, 50.1197

Protanopia

22.3348, 21.6141, 47.2507

Deuteranopia

22.0333, 21.5763, 50.5803



Tritanopia

16.5413, 21.5971, 32.1510

Trichromacy



Original Color

20.1226, 21.5862, 50.1197

Protanomaly

21.3007, 21.4404, 48.3631

Deuteranomaly

21.3410, 21.6067, 50.6227

Tritanomaly

17.5950, 21.3765, 37.8491

Monochromacy



Original Color

20.1226, 21.5862, 50.1197

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.1534, 19.6546, 29.6250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1226, 21.5862, 50.1197 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(75, 132, 187)` looks like.

```
.text, #text, p{  
    color:rgb(75, 132, 187)  
}
```

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(75, 132, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 132, 187) }
```

Border

The CSS property to change the border of an element to XYZ 20.1226, 21.5862, 50.1197 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(75, 132, 187) }
```


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

```
.border{ border-color:rgb(75, 132, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 132, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 132, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 132, 187);  
box-shadow:4px 4px 4px 4px rgb(75, 132,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1226, 21.5862, 50.1197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 132, 187) }
```

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

```
.background{ background-color: rgb(75, 132,  
187) }
```

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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