

Converting Colors

XYZ(21.1221, 22.0581, 54.4787)

Have a look what the booklet for
XYZ(21.1221, 22.0581, 54.4787)
contains.

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Color

**XYZ(21.1622, 22.0204,
54.7648)**

Conversions

Conversions Part 1

Format	Color
Hex	4D84C3
RGB	77, 132, 195
RGB Percent	30%, 52%, 76%
CMY	0.6980, 0.4823, 0.2353
CMYK	0.61, 0.32, 0.00, 0.24
HSL	212°, 50%, 53%
HSV	212°, 61%, 76%
XYZ	21.1622, 22.0204, 54.7648
YIQ	122.7370, -53.0030, 7.9330

Conversions

Conversions Part 2

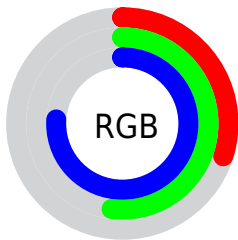
Format	Color
R_{YB}	77, 115, 195
Decimal	5080259
CIE _{Lab}	54.05, 1.11, -38.28
CIE _{LCh}	54, 38.296, 271.667
Yxy	22.0204, 0.2161, 0.2248
Android (android.graphics.Color)	4283270339 (0xFF4D84C3)
YUV	122.7370, 35.6257, -40.1113
Hunter-Lab	46.9259, -1.6221, -36.3462

Details

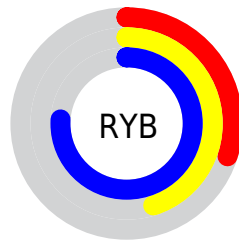
The XYZ color **21.1622, 22.0204, 54.7648** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **33.2247, 30.8962, 11.2349**, and the grayscale version is **18.6401, 19.6108, 21.3562**.

A 20% lighter version of the original color is **44.9113, 46.8771, 98.7766**, and **7.9010, 8.1096, 26.3482** is the 20% darker color. If you saturate the color by 10%, you get **18.4761, 18.6436, 54.2550**, and if you desaturate by 10%, it is **24.4624, 25.9237, 55.3447**.

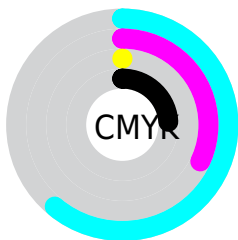
Distribution



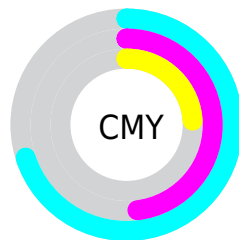
- Red (30%)
- Green (52%)
- Blue (76%)



- Red (30%)
- Yellow (45%)
- Blue (76%)



- Cyan (61%)
- Magenta (32%)
- Yellow (0%)
- Black (24%)



- Cyan (70%)
- Magenta (48%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1622, 22.0204, 54.7648 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 21.1622, 22.0204, 54.7648 by changing the saturation by 10% instead.

■ 21.1622, 22.0204,
54.7648

■ 21.1622, 22.0204,
54.7648

250.8547,
262.6528, 422.2765

■ 13.3558, 13.8719,
38.8161

■ 44.8466, 46.7797,
98.6640

■ 7.7527, 8.0316,
26.3100

■ 61.4552, 64.1593,
127.4515

■ 3.9876, 4.1152,
16.8278

■ 81.7286, 85.3847,
161.3558

■ 1.6951, 1.7382,
9.9512

■ 106.0321,
110.8403, 200.7953

■ 0.4532, 0.4482,
5.2614

134.7312,
140.9105, 246.1886

■ 0.0000, 0.0000,
2.3400

168.1910,

■ 0.0000, 0.0000,

175.9798, 297.9542

0.7535

206.7771,
216.4324, 356.5107

■ 0.0000, 0.0000,
0.0000

■ 21.1622, 22.0204,
54.7648

■ 21.1622, 22.0204,
54.7648

■ 18.4761, 18.6436,
54.2550

■ 24.4624, 25.9237,
55.3447

■ 16.3539, 15.7602,
53.8103

■ 28.4164, 30.3787,
55.9962

■ 14.7405, 13.3359,
53.4274

■ 33.0631, 35.4115,
56.7227

■ 13.5817, 11.4028,
53.1154

■ 38.4374, 41.0455,
57.5270

■ 44.5720, 47.3027,
58.4114

■ 51.4972, 54.2038,
59.3784

■ 59.2416, 61.7685,
60.4304

■ 67.8325, 70.0156,
61.5695

■ 77.2957, 78.9630,
62.7977

Harmonies

Analogous

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



17.3730, 22.0204, 50.1769



21.1622, 22.0204, 54.7648



25.3952, 22.0204, 49.0994

Triad

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



21.1622, 22.0204, 54.7648



28.4661, 22.0204, 13.8853



14.6733, 22.0204, 14.6990

Complementary

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



21.1622, 22.0204, 54.7648



33.2247, 30.8962, 11.2349

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.



17.0210, 22.0204, 9.3317



21.1622, 22.0204, 54.7648



24.9416, 22.0204, 8.9826

Square

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



21.1622, 22.0204, 54.7648



29.9423, 22.0204, 23.3192



20.6990, 22.0204, 7.6406



13.9357, 22.0204, 24.6459

Rectangle

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



21.1622, 22.0204, 54.7648



27.8190, 22.0204, 41.0876



20.6990, 22.0204, 7.6406



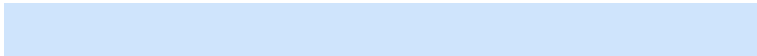
15.2836, 22.0204, 12.4298

Sweetspot

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



21.1630, 22.0212, 54.7653



71.1719, 75.9139, 103.3715



27.3054, 42.5003, 31.5508



14.9104, 15.9277, 22.5384



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



21.1630, 22.0212, 54.7653



31.6019, 31.4208, 96.8690



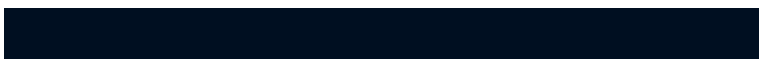
15.8930, 10.9956, 52.9150



9.9066, 10.5045, 12.7903



8.9098, 7.5762, 34.5494



0.4539, 0.4652, 1.5157

Inverse Universe

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



29.3252, 18.5769, 23.8704



48.2222, 27.2683, 33.3173



42.3580, 50.6517, 14.5667



10.2642, 10.1543, 11.4816



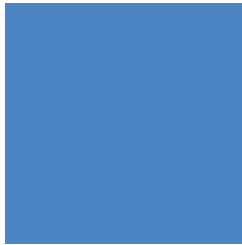
15.8932, 8.0471, 7.3499



0.7215, 0.3616, 0.5007

Previews

White Background



This preview shows how the XYZ color 21.1622, 22.0204, 54.7648 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 21.1622, 22.0204, 54.7648 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 21.1622, 22.0204, 54.7648

Background



This preview shows how black text looks on a background with the XYZ color 21.1622, 22.0204, 54.7648.

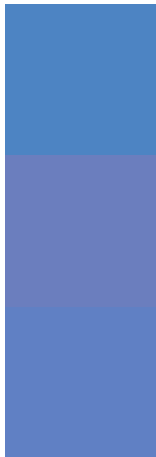


This preview shows how white text looks on a background with the XYZ color 21.1622, 22.0204,

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

21.1622, 22.0204, 54.7648

Protanopia

22.8185, 21.7652, 51.7136

Deuteranopia

22.5068, 21.9107, 55.2675



Tritanopia

16.7329, 21.8930, 33.0496

Trichromacy



Original Color

21.1622, 22.0204, 54.7648

Protanomaly

22.0575, 21.7309, 52.9011

Deuteranomaly

21.9339, 21.8099, 55.2782

Tritanomaly

18.1279, 21.8085, 40.2998

Monochromacy



Original Color

21.1622, 22.0204, 54.7648

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.8295, 20.1558, 31.3318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1622, 22.0204, 54.7648 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(77, 132, 195)` looks like.

```
.text, #text, p{  
    color:rgb(77, 132, 195)  
}
```

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(77, 132, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 132, 195) }
```

Border

The CSS property to change the border of an element to XYZ 21.1622, 22.0204, 54.7648 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(77, 132, 195) }
```


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

```
.border{ border-color:rgb(77, 132, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 132, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 132, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 132, 195);  
box-shadow:4px 4px 4px 4px rgb(77, 132,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1622, 22.0204, 54.7648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 132, 195) }
```

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

```
.background{ background-color: rgb(77, 132,  
195) }
```

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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