

Converting Colors

XYZ(20.2096, 21.9800, 54.2294)

Have a look what the booklet for
XYZ(20.2096, 21.9800, 54.2294)
contains.

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Color

**XYZ(20.1872, 21.9373,
54.2093)**

Conversions

Conversions Part 1

Format	Color
Hex	3D86C2
RGB	61, 134, 194
RGB Percent	24%, 53%, 76%
CMY	0.7607, 0.4745, 0.2392
CMYK	0.69, 0.31, 0.00, 0.24
HSL	207°, 52%, 50%
HSV	207°, 69%, 76%
XYZ	20.1872, 21.9373, 54.2093
YIQ	119.0130, -62.7680, 3.1840

Conversions

Conversions Part 2

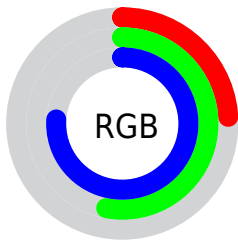
Format	Color
R_{YB}	61, 108, 194
Decimal	4032194
CIE Lab	53.96, -3.23, -37.89
CIE LCh	54, 38.030, 265.123
Yxy	21.9373, 0.2096, 0.2277
Android (android.graphics.Color)	4282222274 (0xFF3D86C2)
YUV	119.0130, 36.9686, -50.8774
Hunter-Lab	46.8373, -5.0304, -35.8360

Details

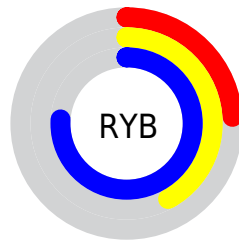
The XYZ color **20.1872, 21.9373, 54.2093** is a dark color, and the websafe version is hex **6699CC**. The color can be described as dark muted azure. A complement of this color would be **29.9293, 25.4833, 7.7575**, and the grayscale version is **17.4407, 18.3490, 19.9821**.

A 20% lighter version of the original color is **43.2090, 46.6433, 97.9925**, and **7.9821, 8.3904, 26.0098** is the 20% darker color. If you saturate the color by 10%, you get **18.0418, 19.1095, 53.7770**, and if you desaturate by 10%, it is **22.8662, 25.1895, 54.6963**.

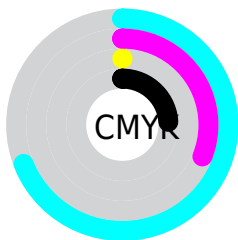
Distribution



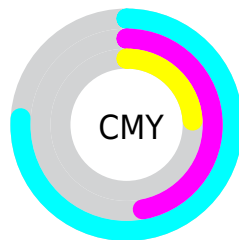
- Red (24%)
- Green (53%)
- Blue (76%)



- Red (24%)
- Yellow (42%)
- Blue (76%)



- Cyan (69%)
- Magenta (31%)
- Yellow (0%)
- Black (24%)



- Cyan (76%)
- Magenta (47%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1872, 21.9373, 54.2093 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 20.1872, 21.9373, 54.2093 by changing the saturation by 10% instead.

■ 20.1872, 21.9373,
54.2093

■ 20.1872, 21.9373,
54.2093

245.7410,
262.2187, 420.1048

■ 12.6402, 13.8108,
38.3747

■ 43.2324, 46.6423,
97.8410

■ 7.2566, 7.9892,
25.9696

■ 59.4613, 63.9897,
126.4752

■ 3.6708, 4.0880,
16.5753

■ 79.3149, 85.1795,
160.2129

■ 1.5176, 1.7229,
9.7734

■ 103.1586,
110.5961, 199.4729

■ 0.3378, 0.4384,
5.1453

■ 131.3577,
140.6240, 244.6735

■ 0.0000, 0.0000,
2.2726

164.2776,

■ 0.0000, 0.0000,

175.6474, 296.2333

0.7158

202.2836,
216.0508, 354.5709

■ 0.0000, 0.0000,
0.0000

■ 20.1872, 21.9373,
54.2093

■ 20.1872, 21.9373,
54.2093

■ 18.0418, 19.1095,
53.7770

■ 22.8662, 25.1895,
54.6963

■ 16.3760, 16.6736,
53.3946

■ 26.1204, 28.8900,
55.2390

■ 15.1085, 14.5845,
53.0582

■ 29.9899, 33.0632,
55.8406

■ 14.9410, 14.3017,
53.0124

■ 34.5100, 37.7305,
56.5032

■ 39.7134, 42.9118,
57.2291

■ 45.6303, 48.6258,
58.0202

■ 52.2891, 54.8901,
58.8783

■ 59.7163, 61.7214,
59.8054

■ 67.9375, 69.1355,
60.8032

Harmonies

Analogous

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



16.6573, 21.9373, 47.6281



20.1872, 21.9373, 54.2093



24.3825, 21.9373, 50.7365

Triad

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



20.1872, 21.9373, 54.2093



28.8398, 21.9373, 15.5207



15.0255, 21.9373, 13.1561

Complementary

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



20.1872, 21.9373, 54.2093



29.9293, 25.4833, 7.7575

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.



17.6776, 21.9373, 8.7141



20.1872, 21.9373, 54.2093



25.6948, 21.9373, 9.7320

Square

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



20.1872, 21.9373, 54.2093



29.7400, 21.9373, 25.8588



21.5287, 21.9373, 7.7062



13.9369, 21.9373, 22.0162

Rectangle

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



20.1872, 21.9373, 54.2093



26.9553, 21.9373, 43.6366



21.5287, 21.9373, 7.7062



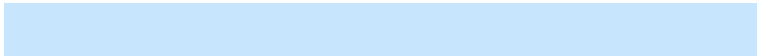
15.7453, 21.9373, 11.2281

Sweetspot

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



20.1880, 21.9380, 54.2099



69.2011, 75.0388, 103.3064



24.6593, 40.9532, 24.6478



14.5664, 15.8488, 22.5413



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.



20.1880, 21.9380, 54.2099



31.1518, 32.4409, 97.0896



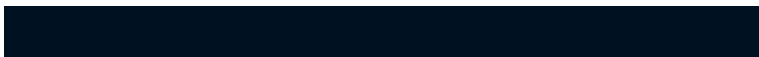
13.7093, 8.9805, 52.0503



9.9762, 10.6437, 12.8135



9.9061, 9.5687, 34.8814



0.4961, 0.5496, 1.5298

Inverse Universe

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



28.2207, 16.5292, 24.2578



47.5264, 25.1954, 35.1854



40.9358, 47.4963, 11.4263



10.2993, 10.1683, 11.6666



16.3961, 8.2482, 9.9979



0.7428, 0.3701, 0.6129

Previews

White Background



This preview shows how the XYZ color 20.1872, 21.9373, 54.2093 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 20.1872, 21.9373, 54.2093 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 20.1872, 21.9373, 54.2093

Background



This preview shows how black text looks on a background with the XYZ color 20.1872, 21.9373, 54.2093.



This preview shows how white text looks on a background with the XYZ color 20.1872, 21.9373,

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

20.1872, 21.9373, 54.2093

Protanopia

22.6148, 21.6977, 50.0099

Deuteranopia

22.3934, 21.8653, 54.6699



Tritanopia

16.0184, 21.9530, 33.5301

Trichromacy



Original Color

20.1872, 21.9373, 54.2093

Protanomaly

21.4589, 21.6424, 51.7616

Deuteranomaly

21.4002, 21.7444, 54.6989

Tritanomaly

17.2968, 21.8060, 40.3431

Monochromacy



Original Color

20.1872, 21.9373, 54.2093

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.4330, 19.0873, 29.9595

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1872, 21.9373, 54.2093 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(61, 134, 194)` looks like.

```
.text, #text, p{  
    color:rgb(61, 134, 194)  
}
```

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(61, 134, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 134, 194) }
```

Border

The CSS property to change the border of an element to XYZ 20.1872, 21.9373, 54.2093 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(61, 134, 194) }
```


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

```
.border{ border-color:rgb(61, 134, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 134, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 134, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 134, 194);  
box-shadow:4px 4px 4px 4px rgb(61, 134,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1872, 21.9373, 54.2093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 134, 194) }
```

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

```
.background{ background-color: rgb(61, 134,  
194) }
```

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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