

Converting Colors

XYZ(20.6331, 22.4984, 41.7845)

Have a look what the booklet for
XYZ(20.6331, 22.4984, 41.7845)
contains.

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Color

**XYZ(20.5951, 22.4234,
41.7707)**

Conversions

Conversions Part 1

Format	Color
Hex	5F86AB
RGB	95, 134, 171
RGB Percent	37%, 53%, 67%
CMY	0.6274, 0.4745, 0.3294
CMYK	0.44, 0.22, 0.00, 0.33
HSL	209°, 31%, 52%
HSV	209°, 44%, 67%
XYZ	20.5951, 22.4234, 41.7707
YIQ	126.5570, -35.1210, 3.2390

Conversions

Conversions Part 2

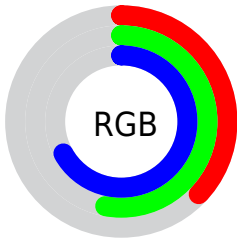
Format	Color
R_{YB}	95, 121, 171
Decimal	6260395
CIE _{Lab}	54.47, -3.45, -23.82
CIE _{LCh}	54, 24.065, 261.761
Yxy	22.4234, 0.2429, 0.2645
Android (android.graphics.Color)	4284450475 (0xFF5F86AB)
YUV	126.5570, 21.9104, -27.6755
Hunter-Lab	47.3534, -5.2345, -19.1527

Details

The XYZ color **20.5951, 22.4234, 41.7707** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **27.1119, 25.9872, 14.4143**, and the grayscale version is **19.9578, 20.9971, 22.8659**.

A 20% lighter version of the original color is **43.8922, 47.4212, 78.7913**, and **7.5331, 8.3211, 18.6619** is the 20% darker color. If you saturate the color by 10%, you get **17.9044, 19.3953, 41.3284**, and if you desaturate by 10%, it is **23.7678, 25.8354, 42.2625**.

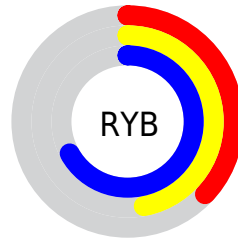
Distribution



Red (37%)

Green (53%)

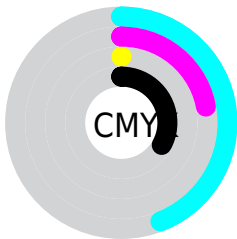
Blue (67%)



Red (37%)

Yellow (47%)

Blue (67%)

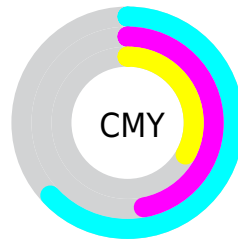


Cyan (44%)

Magenta (22%)

Yellow (0%)

Black (33%)



Cyan (63%)

Magenta (47%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5951, 22.4234, 41.7707 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 20.5951, 22.4234, 41.7707 by changing the saturation by 10% instead.

■ 20.5951, 22.4234,
41.7707

■ 20.5951, 22.4234,
41.7707

247.8914,
264.7495, 369.3031

■ 12.9391, 14.1683,
28.5976

■ 43.9091, 47.4448,
79.1188

■ 7.4634, 8.2378,
18.5336

■ 60.2978, 64.9799,
104.1309

■ 3.8024, 4.2475,
11.1604

■ 80.3281, 86.3772,
133.9263

■ 1.5910, 1.8130,
6.0593

■ 104.3654,
112.0210, 168.9236

■ 0.3865, 0.4952,
2.8118

132.7750,
142.2957, 209.5415

■ 0.0000, 0.0000,
0.9994

165.9223,

■ 0.0000, 0.0000,

177.5858, 256.1983

0.0000

204.1727,
218.2756, 309.3127

■ 20.5951, 22.4234,
41.7707

■ 20.5951, 22.4234,
41.7707

■ 17.9044, 19.3953,
41.3284

■ 23.7678, 25.8354,
42.2625

■ 15.6656, 16.7311,
40.9322

■ 27.4457, 29.6448,
42.8039

■ 13.8483, 14.4124,
40.5804

■ 31.6531, 33.8676,
43.3972

■ 12.4172, 12.4177,
40.2708

■ 36.4119, 38.5178,
44.0440

■ 11.3297, 10.7215,
40.0008

■ 41.7429, 43.6088,
44.7457

■ 10.8201, 9.8790,
39.8650

■ 47.6656, 49.1533,
45.5037

■ 54.1987, 55.1636,
46.3195

■ 61.3598, 61.6512,
47.1943

■ 69.1659, 68.6274,
48.1294

Harmonies

Analogous

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



18.3288, 22.4234, 37.6741



20.5951, 22.4234, 41.7707



23.2464, 22.4234, 40.5188

Triad

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



20.5951, 22.4234, 41.7707



26.3719, 22.4234, 19.4222



17.5766, 22.4234, 16.4920

Complementary

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



20.5951, 22.4234, 41.7707



27.1119, 25.9872, 14.4143

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.



19.4894, 22.4234, 13.2684



20.5951, 22.4234, 41.7707



24.6042, 22.4234, 14.7015

Square

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



20.5951, 22.4234, 41.7707



26.7293, 22.4234, 26.5537



22.0469, 22.4234, 12.6883



16.6824, 22.4234, 22.3949

Rectangle

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



20.5951, 22.4234, 41.7707



24.8676, 22.4234, 36.9139



22.0469, 22.4234, 12.6883



18.1139, 22.4234, 15.1140

Sweetspot

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



20.5958, 22.4242, 41.7712



57.6689, 61.6235, 77.8569



23.4295, 33.2179, 26.9118



12.4735, 13.3595, 17.3089



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.5958, 22.4242, 41.7712



32.2894, 34.9940, 74.0546



16.2779, 13.7884, 40.3319



7.9060, 8.4113, 10.1595



8.2096, 7.5531, 30.0697



0.2829, 0.3192, 0.8547

Inverse Universe

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



25.1905, 18.5643, 24.8107



41.8116, 28.1632, 38.6427



33.1854, 38.1341, 16.4388



8.1703, 8.0814, 9.2078



14.0075, 7.0655, 7.6848



0.4172, 0.2076, 0.3588

Previews

White Background



This preview shows how the XYZ color 20.5951, 22.4234, 41.7707 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 20.5951, 22.4234, 41.7707 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

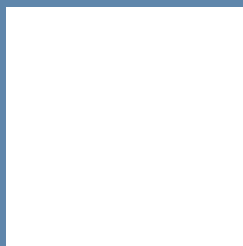
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.5951, 22.4234, 41.7707

Background



This preview shows how black text looks on a background with the XYZ color 20.5951, 22.4234, 41.7707.



This preview shows how white text looks on a background with the XYZ color 20.5951, 22.4234,

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

20.5951, 22.4234, 41.7707

Protanopia

22.4400, 22.2214, 39.6657

Deuteranopia

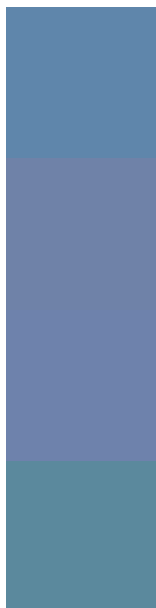
22.7733, 22.3388, 42.1413



Tritanopia

18.6331, 22.4707, 31.7890

Trichromacy



Original Color

20.5951, 22.4234, 41.7707

Protanomaly

21.6061, 22.1719, 40.1866

Deuteranomaly

21.8594, 22.2588, 42.1740

Tritanomaly

19.3458, 22.5498, 35.2312

Monochromacy



Original Color

20.5951, 22.4234, 41.7707

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.0108, 21.5933, 29.0998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5951, 22.4234, 41.7707 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(95, 134, 171)` looks like.

```
.text, #text, p{  
    color:rgb(95, 134, 171)  
}
```

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(95, 134, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 134, 171) }
```

Border

The CSS property to change the border of an element to XYZ 20.5951, 22.4234, 41.7707 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(95, 134, 171) }
```


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

```
.border{ border-color:rgb(95, 134, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 134, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 134, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 134, 171);  
box-shadow:4px 4px 4px 4px rgb(95, 134,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5951, 22.4234, 41.7707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 134, 171) }
```

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

```
.background{ background-color: rgb(95, 134,  
171) }
```

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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