

Converting Colors

XYZ(20.1570, 21.1137, 57.0185)

Have a look what the booklet for
XYZ(20.1570, 21.1137, 57.0185)
contains.

XYZ(20.0951, 21.0186, 57.0307)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.0951, 21.0186,
57.0307)**

Conversions

Conversions Part 1

Format	Color
Hex	3B82C7
RGB	59, 130, 199
RGB Percent	23%, 51%, 78%
CMY	0.7686, 0.4902, 0.2196
CMYK	0.70, 0.35, 0.00, 0.22
HSL	210°, 56%, 51%
HSV	210°, 70%, 78%
XYZ	20.0951, 21.0186, 57.0307
YIQ	116.6370, -64.4650, 6.4070

Conversions

Conversions Part 2

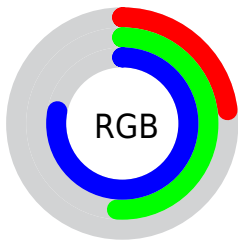
Format	Color
R _Y B	59, 106, 199
Decimal	3900103
CIE Lab	52.97, 0.58, -42.30
CIE LCh	53, 42.308, 270.788
Yxy	21.0186, 0.2048, 0.2142
Android (android.graphics.Color)	4282090183 (0xFF3B82C7)
YUV	116.6370, 40.6050, -50.5476
Hunter-Lab	45.8460, -1.9910, -41.6622

Details

The XYZ color **20.0951, 21.0186, 57.0307** 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 **32.0634, 27.8987, 7.8341**, and the grayscale version is **16.6904, 17.5596, 19.1224**.

A 20% lighter version of the original color is **43.0095, 45.2245, 101.0701**, and **8.0533, 7.9292, 27.8941** is the 20% darker color. If you saturate the color by 10%, you get **17.8894, 18.0364, 56.5718**, and if you desaturate by 10%, it is **22.8761, 24.4826, 57.5532**.

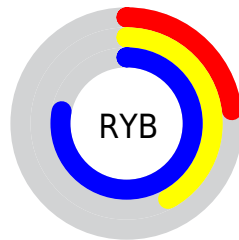
Distribution



Red (23%)

Green (51%)

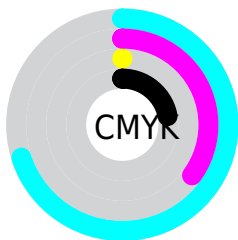
Blue (78%)



Red (23%)

Yellow (42%)

Blue (78%)

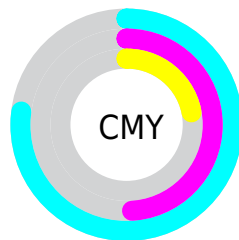


Cyan (70%)

Magenta (35%)

Yellow (0%)

Black (22%)



Cyan (77%)

Magenta (49%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0951, 21.0186, 57.0307 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 20.0951, 21.0186, 57.0307 by changing the saturation by 10% instead.

■ 20.0951, 21.0186,
57.0307

■ 20.0951, 21.0186,
57.0307

245.2532,
257.3773, 431.0613

■ 12.5729, 13.1376,
40.6204

■ 43.0793, 45.1185,
102.0108

■ 7.2100, 7.5234,
27.7051

■ 59.2720, 62.1062,
131.4176

■ 3.6413, 3.7915,
17.8664

■ 79.0855, 82.8982,
165.9936

■ 1.5013, 1.5576,
10.6856

■ 102.8852,
107.8790, 206.1574

■ 0.3267, 0.3288,
5.7444

■ 131.0365,
137.4329, 252.3276

■ 0.0000, 0.0000,
2.6240

163.9047,

■ 0.0000, 0.0000,

171.9443, 304.9226

0.9048

201.8551,
211.7976, 364.3610

■ 0.0000, 0.0000,
0.0000

■ 20.0951, 21.0186,
57.0307

■ 20.0951, 21.0186,
57.0307

■ 17.8894, 18.0364,
56.5718

■ 22.8761, 24.4826,
57.5532

■ 16.1991, 15.4992,
56.1711

■ 26.2792, 28.4566,
58.1409

■ 14.9545, 13.4147,
55.8344

■ 30.3485, 32.9683,
58.7972

■ 35.1231, 38.0425,
59.5250

■ 40.6388, 43.7021,
60.3267

■ 46.9290, 49.9686,
61.2048

■ 54.0248, 56.8622,
62.1614

■ 61.9556, 64.4021,
63.1987

■ 70.7492, 72.6065,
64.3188

Harmonies

Analogous

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



16.0973, 21.0186, 51.5129



20.0951, 21.0186, 57.0307



24.6692, 21.0186, 50.9379

Triad

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



20.0951, 21.0186, 57.0307



28.2372, 21.0186, 12.5210



13.4194, 21.0186, 12.9143

Complementary

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



20.0951, 21.0186, 57.0307



32.0634, 27.8987, 7.8341

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.



15.9220, 21.0186, 7.6613



20.0951, 21.0186, 57.0307



24.4360, 21.0186, 7.5005

Square

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



20.0951, 21.0186, 57.0307



29.7773, 21.0186, 22.5513



19.8605, 21.0186, 6.1195



12.6051, 21.0186, 23.2233

Rectangle

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



20.0951, 21.0186, 57.0307



27.3417, 21.0186, 42.0624



19.8605, 21.0186, 6.1195



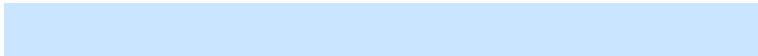
14.0708, 21.0186, 10.6559

Sweetspot

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



20.0959, 21.0193, 57.0312



70.1690, 75.5208, 105.4864



26.0372, 43.3010, 26.9524



14.4189, 15.5538, 22.4922



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.



20.0959, 21.0193, 57.0312



29.7712, 29.3167, 98.6973



13.8002, 8.4279, 54.9327



10.4938, 11.1617, 13.5188



9.7038, 8.8016, 35.9318



0.5319, 0.5615, 1.7255

Inverse Universe

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



29.1472, 16.8829, 22.8421



47.4848, 25.0156, 30.9375



44.2339, 52.2398, 11.8909



10.8545, 10.7252, 12.2172



16.6974, 8.4285, 8.8822



0.8272, 0.4137, 0.6130

Previews

White Background



This preview shows how the XYZ color 20.0951, 21.0186, 57.0307 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 20.0951, 21.0186, 57.0307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

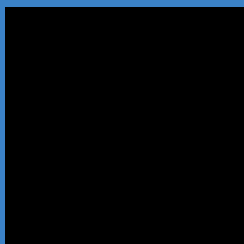
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

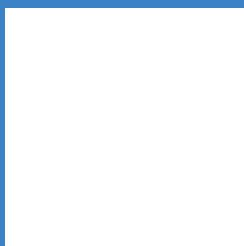
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.0951, 21.0186, 57.0307

Background



This preview shows how black text looks on a background with the XYZ color 20.0951, 21.0186, 57.0307.



This preview shows how white text looks on a background with the XYZ color 20.0951, 21.0186,

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

20.0951, 21.0186, 57.0307

Protanopia

22.0754, 20.7829, 53.3001

Deuteranopia

21.5423, 20.9767, 57.5571



Tritanopia

15.1300, 21.0761, 32.5488

Trichromacy



Original Color

20.0951, 21.0186, 57.0307

Protanomaly

21.1489, 20.8403, 54.5377

Deuteranomaly

20.9163, 20.8447, 57.5646

Tritanomaly

16.4075, 20.7115, 40.1787

Monochromacy



Original Color

20.0951, 21.0186, 57.0307

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.0499, 18.5124, 30.2784

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0951, 21.0186, 57.0307 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(59, 130, 199)` looks like.

```
.text, #text, p{  
    color:rgb(59, 130, 199)  
}
```

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(59, 130, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 130, 199) }
```

Border

The CSS property to change the border of an element to XYZ 20.0951, 21.0186, 57.0307 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(59, 130, 199) }
```


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

```
.border{ border-color:rgb(59, 130, 199) }
```

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

Here you see how a box with a 4 pixel rgb(59, 130, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 130, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 130, 199);  
box-shadow:4px 4px 4px 4px rgb(59, 130,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0951, 21.0186, 57.0307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 130, 199) }
```

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

```
.background{ background-color: rgb(59, 130,  
199) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor