

Converting Colors

XYZ(20.0953, 20.9583, 42.0159)

Have a look what the booklet for
XYZ(20.0953, 20.9583, 42.0159)
contains.

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Color

**XYZ(20.0953, 20.9583,
42.0159)**

Conversions

Conversions Part 1

Format	Color
Hex	6180AC
RGB	97, 128, 172
RGB Percent	38%, 50%, 67%
CMY	0.6196, 0.4980, 0.3255
CMYK	0.44, 0.26, 0.00, 0.33
HSL	215°, 31%, 53%
HSV	215°, 44%, 67%
XYZ	20.0953, 20.9583, 42.0159
YIQ	123.7470, -32.6000, 7.1120

Conversions

Conversions Part 2

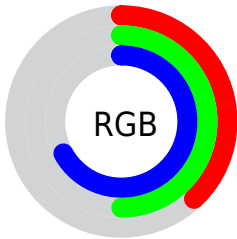
Format	Color
R_{YB}	97, 119, 172
Decimal	6389932
CIE _{Lab}	52.90, 0.87, -26.81
CIE _{LCh}	53, 26.821, 271.854
Yxy	20.9583, 0.2419, 0.2523
Android (android.graphics.Color)	4284580012 (0xFF6180AC)
YUV	123.7470, 23.7887, -23.4571
Hunter-Lab	45.7802, -1.7626, -22.3686

Details

The XYZ color **20.0953, 20.9583, 42.0159** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **28.6963, 28.6840, 15.3341**, and the grayscale version is **19.0058, 19.9956, 21.7752**.

A 20% lighter version of the original color is **43.2900, 45.2285, 79.8471**, and **7.1645, 7.4593, 18.5150** is the 20% darker color. If you saturate the color by 10%, you get **17.2061, 17.6116, 41.5226**, and if you desaturate by 10%, it is **23.5142, 24.7733, 42.5725**.

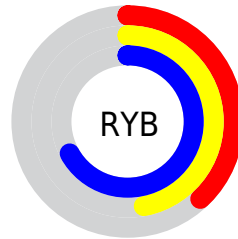
Distribution



Red (38%)

Green (50%)

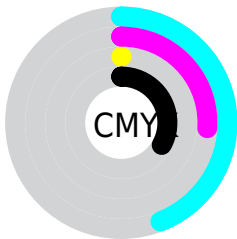
Blue (67%)



Red (38%)

Yellow (47%)

Blue (67%)

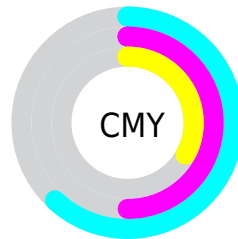


Cyan (44%)

Magenta (26%)

Yellow (0%)

Black (33%)



Cyan (62%)

Magenta (50%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0953, 20.9583, 42.0159 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 20.0953, 20.9583, 42.0159 by changing the saturation by 10% instead.

■ 20.0953, 20.9583,
42.0159

■ 20.0953, 20.9583,
42.0159

245.2543,
257.0568, 370.3504

■ 12.5730, 13.0935,
28.7881

■ 43.0796, 45.0181,
79.4940

■ 7.2101, 7.4930,
18.6764

■ 59.2724, 61.9820,
104.5814

■ 3.6414, 3.7723,
11.2622

■ 79.0860, 82.7476,
134.4591

■ 1.5013, 1.5470,
6.1271

■ 102.8858,
107.6995, 169.5456

■ 0.3267, 0.3215,
2.8525

131.0372,
137.2219, 210.2594

■ 0.0000, 0.0000,
1.0198

163.9055,

■ 0.0000, 0.0000,

171.6994, 257.0192

0.0000

201.8561,
211.5162, 310.2433

■ 20.0953, 20.9583,
42.0159

■ 20.0953, 20.9583,
42.0159

■ 17.2061, 17.6116,
41.5226

■ 23.5142, 24.7733,
42.5725

■ 14.8148, 14.7097,
41.0885

■ 27.4878, 29.0736,
43.1931

■ 12.8890, 12.2307,
40.7115

■ 32.0423, 33.8783,
43.8804

■ 11.3911, 10.1488,
40.3886

■ 37.2012, 39.2045,
44.6366

■ 10.2770, 8.4347,
40.1165

■ 42.9869, 45.0686,
45.4635

■ 9.7057, 7.4971,
39.9656

■ 49.4203, 51.4862,
46.3632

■ 56.5217, 58.4721,
47.3373

■ 64.3103, 66.0406,
48.3877

■ 72.8043, 74.2055,
49.5160

Harmonies

Analogous

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



17.4813, 20.9583, 39.3412



20.0953, 20.9583, 42.0159



22.9063, 20.9583, 38.6268

Triad

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



20.0953, 20.9583, 42.0159



24.8649, 20.9583, 15.5964



15.5305, 20.9583, 16.2779

Complementary

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



20.0953, 20.9583, 42.0159



28.6963, 28.6840, 15.3341

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.



17.2057, 20.9583, 12.0483



20.0953, 20.9583, 42.0159



22.5760, 20.9583, 11.7247

Square

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



20.0953, 20.9583, 42.0159



25.8157, 20.9583, 22.3238



19.7462, 20.9583, 10.5957



14.9985, 20.9583, 23.3236

Rectangle

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



20.0953, 20.9583, 42.0159



24.4730, 20.9583, 33.7600



19.7462, 20.9583, 10.5957



15.9703, 20.9583, 14.5427

Sweetspot

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



20.0960, 20.9591, 42.0164



58.4557, 61.8004, 79.6535



24.4720, 33.9626, 30.3681



12.2962, 13.0048, 17.2498



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.



20.0960, 20.9591, 42.0164



31.5372, 32.3317, 75.3842



17.3440, 14.4270, 40.9006



7.8406, 8.2807, 10.1378



7.2741, 5.6821, 29.7579



0.2571, 0.2676, 0.8461

Inverse Universe

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



25.1848, 18.8792, 22.7396



42.1928, 28.9741, 34.7962



32.5842, 38.4485, 17.0139



8.1374, 8.0682, 9.0342



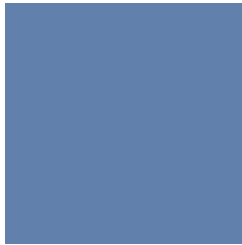
13.5353, 6.8767, 5.1983



0.4042, 0.2024, 0.2902

Previews

White Background



This preview shows how the XYZ color 20.0953, 20.9583, 42.0159 looks on a white background.

Color Contrast Check

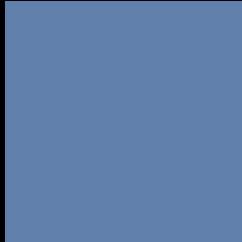
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0953, 20.9583, 42.0159 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

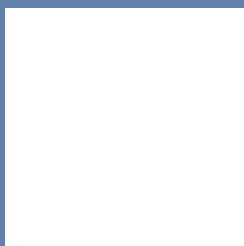
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.0953, 20.9583, 42.0159

Background



This preview shows how black text looks on a background with the XYZ color 20.0953, 20.9583, 42.0159.



This preview shows how white text looks on a background with the XYZ color 20.0953, 20.9583,

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

20.0953, 20.9583, 42.0159

Protanopia

21.1791, 20.7906, 40.4328

Deuteranopia

21.3060, 20.8119, 42.4293



Tritanopia

17.5414, 20.9125, 29.4975

Trichromacy



Original Color

20.0953, 20.9583, 42.0159

Protanomaly

20.6527, 20.6953, 40.9363

Deuteranomaly

20.8203, 20.7485, 42.4427

Tritanomaly

18.3627, 20.8410, 33.6267

Monochromacy



Original Color

20.0953, 20.9583, 42.0159

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.0808, 20.1677, 28.0864

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0953, 20.9583, 42.0159 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(97, 128, 172)` looks like.

```
.text, #text, p{  
    color:rgb(97, 128, 172)  
}
```

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(97, 128, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 128, 172) }
```

Border

The CSS property to change the border of an element to XYZ 20.0953, 20.9583, 42.0159 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(97, 128, 172) }
```


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

```
.border{ border-color:rgb(97, 128, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 128, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 128, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 128, 172);  
box-shadow:4px 4px 4px 4px rgb(97, 128,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0953, 20.9583, 42.0159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 128, 172) }
```

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

```
.background{ background-color: rgb(97, 128,  
172) }
```

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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