

Converting Colors

XYZ(20.0001, 20.5565, 37.6580)

Have a look what the booklet for
XYZ(20.0001, 20.5565, 37.6580)
contains.

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Color

**XYZ(20.0156, 20.6302,
37.5774)**

Conversions

Conversions Part 1

Format	Color
Hex	6A7EA3
RGB	106, 126, 163
RGB Percent	42%, 49%, 64%
CMY	0.5843, 0.5059, 0.3608
CMYK	0.35, 0.23, 0.00, 0.36
HSL	219°, 24%, 53%
HSV	219°, 35%, 64%
XYZ	20.0156, 20.6302, 37.5774
YIQ	124.2380, -23.7970, 7.2670

Conversions

Conversions Part 2

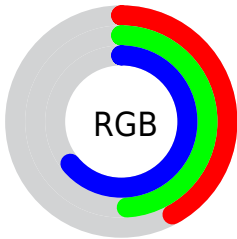
Format	Color
RYB	106, 121, 163
Decimal	6979235
CIELab	52.54, 2.03, -22.11
CIELCh	53, 22.204, 275.249
Yxy	20.6302, 0.2559, 0.2637
Android (android.graphics.Color)	4285169315 (0xFF6A7EA3)
YUV	124.2380, 19.1097, -15.9947
Hunter-Lab	45.4205, -0.8256, -17.2576

Details

The XYZ color **20.0156, 20.6302, 37.5774** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **27.5288, 28.4727, 17.6813**, and the grayscale version is **19.1820, 20.1810, 21.9771**.

A 20% lighter version of the original color is **43.0731, 44.6731, 72.6822**, and **7.1540, 7.2962, 16.0702** is the 20% darker color. If you saturate the color by 10%, you get **16.9774, 17.1610, 37.0683**, and if you desaturate by 10%, it is **23.5664, 24.5771, 38.1524**.

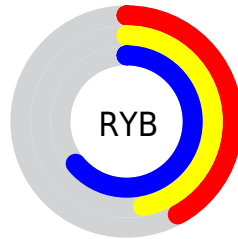
Distribution



Red (42%)

Green (49%)

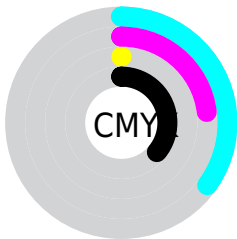
Blue (64%)



Red (42%)

Yellow (47%)

Blue (64%)

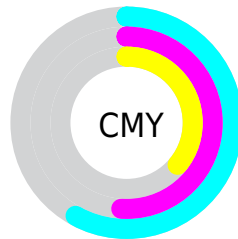


Cyan (35%)

Magenta (23%)

Yellow (0%)

Black (36%)



Cyan (58%)

Magenta (51%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0156, 20.6302, 37.5774 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 20.0156, 20.6302, 37.5774 by changing the saturation by 10% instead.

■ 20.0156, 20.6302,
37.5774

■ 20.0156, 20.6302,
37.5774

244.8315,
255.3066, 351.0473

■ 12.5147, 12.8540,
25.3556

■ 42.9471, 44.4713,
72.6562

■ 7.1699, 7.3281,
16.1207

■ 59.1084, 61.3049,
96.3502

■ 3.6159, 3.6681,
9.4544

■ 78.8872, 81.9264,
124.7053

■ 1.4872, 1.4897,
4.9379

■ 102.6489,
106.7203, 158.1402

■ 0.3171, 0.2815,
2.1528

130.7588,
136.0708, 197.0733

■ 0.0000, 0.0000,
0.6469

163.5823,

■ 0.0000, 0.0000,

170.3625, 241.9231

0.0000

201.4848,
209.9796, 293.1083

■ 20.0156, 20.6302,
37.5774

■ 20.0156, 20.6302,
37.5774

■ 16.9774, 17.1610,
37.0683

■ 23.5664, 24.5771,
38.1524

■ 14.4246, 14.1474,
36.6211

■ 27.6514, 29.0176,
38.7942

■ 12.3300, 11.5690,
36.2338

■ 32.2932, 33.9700,
39.5055

■ 10.6630, 9.4027,
35.9036

■ 37.5126, 39.4506,
40.2883

■ 9.3887, 7.6228,
35.6272

■ 43.3291, 45.4753,
41.1446

■ 8.4645, 6.1991,
35.4011

■ 49.7614, 52.0589,
42.0763

■ 8.0836, 5.5898,
35.3036

■ 56.8274, 59.2160,
43.0854

■ 64.5441, 66.9603,
44.1735

■ 72.9281, 75.3053,
45.3423

Harmonies

Analogous

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



17.8150, 20.6302, 36.0347



20.0156, 20.6302, 37.5774



22.2722, 20.6302, 34.4706

Triad

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



20.0156, 20.6302, 37.5774



23.4450, 20.6302, 15.9192



15.8613, 20.6302, 17.5677

Complementary

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



20.0156, 20.6302, 37.5774



27.5288, 28.4727, 17.6813

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.



17.1660, 20.6302, 13.6281



20.0156, 20.6302, 37.5774



21.5182, 20.6302, 12.8148

Square

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



20.0156, 20.6302, 37.5774



24.3486, 20.6302, 21.3243



19.2067, 20.6302, 12.0663



15.5271, 20.6302, 23.6411

Rectangle

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



20.0156, 20.6302, 37.5774



23.4698, 20.6302, 30.4806



19.2067, 20.6302, 12.0663



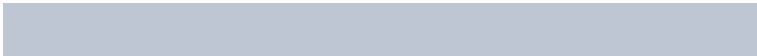
16.1956, 20.6302, 15.9909

Sweetspot

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



20.0163, 20.6310, 37.5779



53.3699, 56.0932, 70.0703



23.9317, 31.2150, 30.3950



11.7396, 12.3343, 15.6995



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.0163, 20.6310, 37.5779



31.5201, 32.0228, 66.5758



18.6531, 16.5039, 36.8531



6.8943, 7.2476, 8.9386



6.3217, 4.4228, 27.4503



0.1759, 0.1791, 0.5912

Inverse Universe

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



24.0248, 19.6017, 22.2567



39.9318, 30.3821, 34.3086



29.2937, 34.2436, 18.7022



7.1716, 7.1251, 7.8902



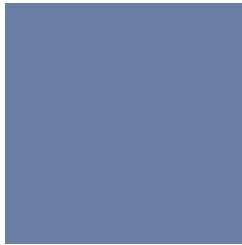
12.3364, 6.2906, 3.6960



0.2810, 0.1409, 0.1922

Previews

White Background



This preview shows how the XYZ color 20.0156, 20.6302, 37.5774 looks on a white background.

Color Contrast Check

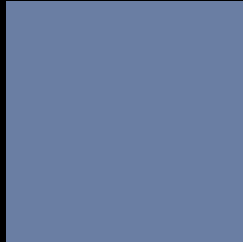
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0156, 20.6302, 37.5774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

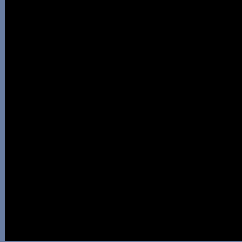
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

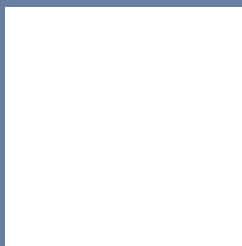
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.0156, 20.6302, 37.5774

Background



This preview shows how black text looks on a background with the XYZ color 20.0156, 20.6302, 37.5774.



This preview shows how white text looks on a background with the XYZ color 20.0156, 20.6302,

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

20.0156, 20.6302, 37.5774

Protanopia

20.7109, 20.6334, 36.6093

Deuteranopia

20.9863, 20.5593, 37.9842



Tritanopia

18.0831, 20.6254, 27.8390

Trichromacy



Original Color

20.0156, 20.6302, 37.5774

Protanomaly

20.5373, 20.7206, 37.0995

Deuteranomaly

20.5906, 20.5404, 38.0014

Tritanomaly

18.7891, 20.7222, 31.0265

Monochromacy



Original Color

20.0156, 20.6302, 37.5774

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.2572, 20.2841, 26.9450

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0156, 20.6302, 37.5774 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(106, 126, 163)` looks like.

```
.text, #text, p{  
    color:rgb(106, 126, 163)  
}
```

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(106, 126, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 126, 163) }
```

Border

The CSS property to change the border of an element to XYZ 20.0156, 20.6302, 37.5774 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(106, 126, 163) }
```


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

```
.border{ border-color:rgb(106, 126, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 126, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 126, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 126, 163);  
box-shadow:4px 4px 4px 4px rgb(106, 126,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0156, 20.6302, 37.5774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 126, 163) }
```

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

```
.background{ background-color: rgb(106,  
126, 163) }
```

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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