

Converting Colors

XYZ(20.0620, 20.7373, 42.4805)

Have a look what the booklet for
XYZ(20.0620, 20.7373, 42.4805)
contains.

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Color

**XYZ(20.0620, 20.7373,
42.4805)**

Conversions

Conversions Part 1

Format	Color
Hex	617FAD
RGB	97, 127, 173
RGB Percent	38%, 50%, 68%
CMY	0.6196, 0.5020, 0.3216
CMYK	0.44, 0.27, 0.00, 0.32
HSL	216°, 32%, 53%
HSV	216°, 44%, 68%
XYZ	20.0620, 20.7373, 42.4805
YIQ	123.2740, -32.6460, 7.9460

Conversions

Conversions Part 2

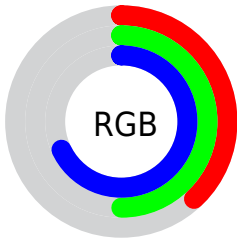
Format	Color
R _Y B	97, 119, 173
Decimal	6389677
CIE Lab	52.66, 1.75, -27.76
CIE LCh	53, 27.816, 273.608
Yxy	20.7373, 0.2409, 0.2490
Android (android.graphics.Color)	4284579757 (0xFF617FAD)
YUV	123.2740, 24.5149, -23.0423
Hunter-Lab	45.5382, -1.0532, -23.4321

Details

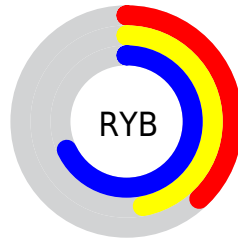
The XYZ color **20.0620, 20.7373, 42.4805** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **29.2144, 29.3930, 15.4438**, and the grayscale version is **18.8471, 19.8286, 21.5934**.

A 20% lighter version of the original color is **43.2266, 44.8790, 80.5130**, and **7.1533, 7.3403, 18.8091** is the 20% darker color. If you saturate the color by 10%, you get **17.1330, 17.3233, 41.9763**, and if you desaturate by 10%, it is **23.5350, 24.6412, 43.0514**.

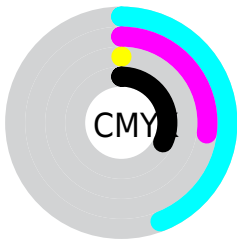
Distribution



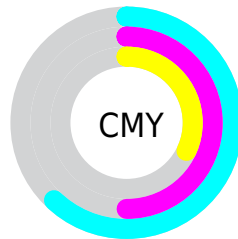
- Red (38%)
- Green (50%)
- Blue (68%)



- Red (38%)
- Yellow (47%)
- Blue (68%)



- Cyan (44%)
- Magenta (27%)
- Yellow (0%)
- Black (32%)



- Cyan (62%)
- Magenta (50%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0620, 20.7373, 42.4805 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 20.0620, 20.7373, 42.4805 by changing the saturation by 10% instead.

■ 20.0620, 20.7373,
42.4805

■ 20.0620, 20.7373,
42.4805

245.0777,
255.8791, 372.3292

■ 12.5486, 12.9321,
29.1493

■ 43.0243, 44.6499,
80.2043

■ 7.1933, 7.3818,
18.9473

■ 59.2039, 61.5261,
105.4339

■ 3.6307, 3.7020,
11.4558

■ 79.0029, 82.1948,
135.4669

■ 1.4954, 1.5083,
6.2563

■ 102.7868,
107.0404, 170.7216

■ 0.3227, 0.2946,
2.9302

130.9209,
136.4472, 211.6166

■ 0.0000, 0.0000,
1.0591

163.7705,

■ 0.0000, 0.0000,

170.7996, 258.5706

0.0000

201.7010,
210.4821, 312.0019

■ 20.0620, 20.7373,
42.4805

■ 20.0620, 20.7373,
42.4805

■ 17.1330, 17.3233,
41.9763

■ 23.5350, 24.6412,
43.0514

■ 14.7151, 14.3748,
41.5346

■ 27.5780, 29.0532,
43.6899

■ 12.7751, 11.8683,
41.1531

■ 32.2177, 33.9935,
44.3989

■ 11.2742, 9.7768,
40.8285

■ 37.4785, 39.4801,
45.1807

■ 10.1666, 8.0693,
40.5573

■ 43.3834, 45.5302,
46.0372

■ 9.6276, 7.1865,
40.4153

■ 49.9541, 52.1605,
46.9707

■ 57.2114, 59.3864,
47.9829

■ 65.1750, 67.2232,
49.0759

■ 73.8639, 75.6854,
50.2513

Harmonies

Analogous

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



17.3416, 20.7373, 40.0484



20.0620, 20.7373, 42.4805



22.9491, 20.7373, 38.5986

Triad

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



20.0620, 20.7373, 42.4805



24.7105, 20.7373, 14.8656



15.1392, 20.7373, 16.2176

Complementary

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



20.0620, 20.7373, 42.4805



29.2144, 29.3930, 15.4438

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.



16.7913, 20.7373, 11.7484



20.0620, 20.7373, 42.4805



22.2852, 20.7373, 11.1123

Square

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



20.0620, 20.7373, 42.4805



25.7933, 20.7373, 21.5925



19.3625, 20.7373, 10.1284



14.6677, 20.7373, 23.5959

Rectangle

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



20.0620, 20.7373, 42.4805



24.5309, 20.7373, 33.4003



19.3625, 20.7373, 10.1284



15.5664, 20.7373, 14.3914

Sweetspot

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



20.0627, 20.7381, 42.4810



58.3242, 61.5374, 79.6097



24.8017, 34.4002, 31.1615



12.2636, 12.9395, 17.2389



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.



20.0627, 20.7381, 42.4810



30.6853, 31.0265, 75.1772



17.5971, 14.5465, 41.4159



7.8286, 8.2565, 10.1338



7.1253, 5.3845, 29.7083



0.2525, 0.2583, 0.8445

Inverse Universe

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



25.3397, 18.9667, 22.4048



41.6655, 28.3906, 33.1680



32.7022, 38.7930, 17.0743



8.1313, 8.0658, 9.0021



13.4602, 6.8466, 4.8027



0.4018, 0.2014, 0.2778

Previews

White Background



This preview shows how the XYZ color 20.0620, 20.7373, 42.4805 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 20.0620, 20.7373, 42.4805 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

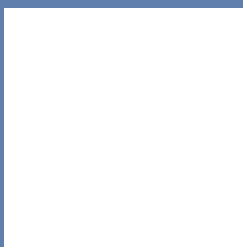
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.0620, 20.7373, 42.4805

Background



This preview shows how black text looks on a background with the XYZ color 20.0620, 20.7373, 42.4805.

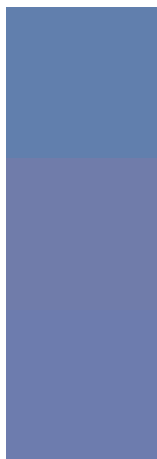


This preview shows how white text looks on a background with the XYZ color 20.0620, 20.7373,

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

20.0620, 20.7373, 42.4805

Protanopia

21.1454, 20.7623, 40.9233

Deuteranopia

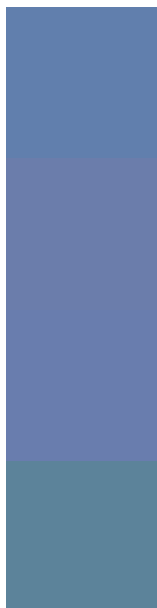
21.1543, 20.7225, 42.9293



Tritanopia

17.4653, 20.8821, 29.0967

Trichromacy



Original Color

20.0620, 20.7373, 42.4805

Protanomaly

20.7477, 20.7333, 41.4365

Deuteranomaly

20.7993, 20.7265, 42.9488

Tritanomaly

18.3627, 20.8410, 33.6267

Monochromacy



Original Color

20.0620, 20.7373, 42.4805

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.9548, 19.9158, 28.0444

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0620, 20.7373, 42.4805 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, 127, 173)` looks like.

```
.text, #text, p{  
    color:rgb(97, 127, 173)  
}
```

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, 127, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 127, 173) }
```

Border

The CSS property to change the border of an element to XYZ 20.0620, 20.7373, 42.4805 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, 127, 173) }
```


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

```
.border{ border-color:rgb(97, 127, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 127, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 127, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 127, 173);  
box-shadow:4px 4px 4px 4px rgb(97, 127,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0620, 20.7373, 42.4805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 127, 173) }
```

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

```
.background{ background-color: rgb(97, 127,  
173) }
```

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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