

Converting Colors

XYZ(20.5370, 21.9669, 40.2065)

Have a look what the booklet for
XYZ(20.5370, 21.9669, 40.2065)
contains.

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Color

**XYZ(20.5747, 22.0390,
40.2153)**

Conversions

Conversions Part 1

Format	Color
Hex	6484A8
RGB	100, 132, 168
RGB Percent	39%, 52%, 66%
CMY	0.6078, 0.4823, 0.3412
CMYK	0.40, 0.21, 0.00, 0.34
HSL	212°, 28%, 53%
HSV	212°, 40%, 66%
XYZ	20.5747, 22.0390, 40.2153
YIQ	126.5360, -30.6280, 4.4120

Conversions

Conversions Part 2

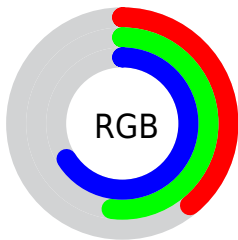
Format	Color
R_{YB}	100, 122, 168
Decimal	6587560
CIE _{Lab}	54.07, -1.80, -22.69
CIE _{LCh}	54, 22.760, 265.459
Yxy	22.0390, 0.2484, 0.2661
Android (android.graphics.Color)	4284777640 (0xFF6484A8)
YUV	126.5360, 20.4418, -23.2721
Hunter-Lab	46.9457, -3.9246, -17.9278

Details

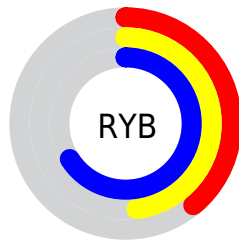
The XYZ color **20.5747, 22.0390, 40.2153** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **27.2534, 26.8539, 15.8044**, and the grayscale version is **19.9543, 20.9935, 22.8620**.

A 20% lighter version of the original color is **43.8051, 46.7979, 76.5362**, and **7.4646, 8.0758, 17.6884** is the 20% darker color. If you saturate the color by 10%, you get **17.7496, 18.8682, 39.7526**, and if you desaturate by 10%, it is **23.8873, 25.6147, 40.7313**.

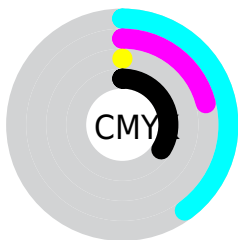
Distribution



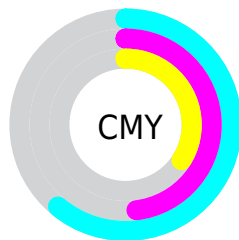
- Red (39%)
- Green (52%)
- Blue (66%)



- Red (39%)
- Yellow (48%)
- Blue (66%)



- Cyan (40%)
- Magenta (21%)
- Yellow (0%)
- Black (34%)



- Cyan (61%)
- Magenta (48%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5747, 22.0390, 40.2153 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 20.5747, 22.0390, 40.2153 by changing the saturation by 10% instead.

■ 20.5747, 22.0390,
40.2153

■ 20.5747, 22.0390,
40.2153

247.7843,
262.7499, 362.6092

■ 12.9242, 13.8856,
27.3914

■ 43.8753, 46.8104,
76.7319

■ 7.4530, 8.0411,
17.6324

■ 60.2560, 64.1972,
101.2617

■ 3.7958, 4.1213,
10.5197

■ 80.2775, 85.4306,
130.5305

■ 1.5873, 1.7416,
5.6348

■ 104.3052,
110.8949, 164.9570

■ 0.3841, 0.4504,
2.5591

132.7043,
140.9746, 204.9595

■ 0.0000, 0.0000,
0.8712

165.8403,

■ 0.0000, 0.0000,

176.0541, 250.9567

0.0000

204.0785,
216.5177, 303.3671

■ 20.5747, 22.0390,
40.2153

■ 20.5747, 22.0390,
40.2153

■ 17.7496, 18.8682,
39.7526

■ 23.8873, 25.6147,
40.7313

■ 15.3835, 16.0825,
39.3396

■ 27.7093, 29.6089,
41.3008

■ 13.4481, 13.6637,
38.9747

■ 32.0640, 34.0375,
41.9261

■ 11.9107, 11.5909,
38.6557

■ 36.9724, 38.9148,
42.6088

■ 10.7331, 9.8402,
38.3798

■ 42.4542, 44.2544,
43.3505

■ 9.8682, 8.4277,
38.1527

■ 48.5285, 50.0692,
44.1527

■ 55.2130, 56.3715,
45.0169

■ 62.5250, 63.1733,
45.9444

■ 70.4810, 70.4860,
46.9366

Harmonies

Analogous

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



18.3753, 22.0390, 36.9923



20.5747, 22.0390, 40.2153



23.0498, 22.0390, 38.4438

Triad

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



20.5747, 22.0390, 40.2153



25.5209, 22.0390, 18.6259



17.2836, 22.0390, 17.0988

Complementary

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



20.5747, 22.0390, 40.2153



27.2534, 26.8539, 15.8044

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.



18.9769, 22.0390, 13.7158



20.5747, 22.0390, 40.2153



23.7489, 22.0390, 14.4687

Square

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



20.5747, 22.0390, 40.2153



26.0319, 22.0390, 25.0866



21.3246, 22.0390, 12.8566



16.5723, 22.0390, 22.9389

Rectangle

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



20.5747, 22.0390, 40.2153



24.5074, 22.0390, 34.8226



21.3246, 22.0390, 12.8566



17.7500, 22.0390, 15.6852

Sweetspot

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



20.5754, 22.0398, 40.2158



56.7334, 60.3046, 75.8749



23.6414, 32.4681, 27.9926



12.1469, 12.9230, 16.5063



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.5754, 22.0398, 40.2158



32.4807, 34.5505, 72.1821



17.0076, 14.7168, 38.9904



7.4120, 7.8609, 9.5450



7.5026, 6.4654, 28.8280



0.2341, 0.2603, 0.7186

Inverse Universe

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



24.8711, 19.1059, 24.2076



41.6388, 29.2837, 37.8321



32.2115, 37.1268, 17.5259



7.6725, 7.5989, 8.5928



13.2876, 6.7237, 6.3259



0.3493, 0.1740, 0.2908

Previews

White Background



This preview shows how the XYZ color 20.5747, 22.0390, 40.2153 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 20.5747, 22.0390, 40.2153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

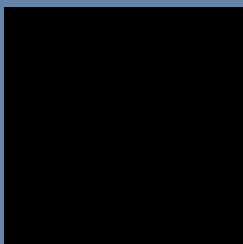
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

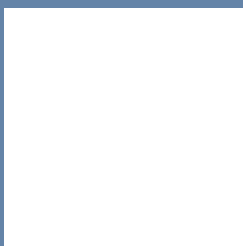
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.5747, 22.0390, 40.2153

Background



This preview shows how black text looks on a background with the XYZ color 20.5747, 22.0390, 40.2153.

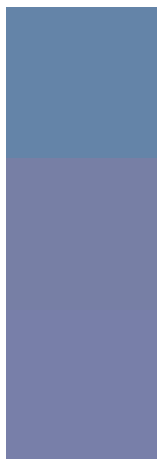


This preview shows how white text looks on a background with the XYZ color 20.5747, 22.0390,

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

20.5747, 22.0390, 40.2153

Protanopia

21.9887, 21.8173, 38.6495

Deuteranopia

22.4965, 22.0364, 40.6039



Tritanopia

18.6867, 22.0946, 30.8835

Trichromacy



Original Color

20.5747, 22.0390, 40.2153

Protanomaly

21.4153, 21.8984, 39.1745

Deuteranomaly

21.8217, 22.0758, 40.6470

Tritanomaly

19.4042, 22.1813, 34.2691

Monochromacy



Original Color

20.5747, 22.0390, 40.2153

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.0689, 21.4354, 28.6709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5747, 22.0390, 40.2153 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(100, 132, 168)` looks like.

```
.text, #text, p{  
    color:rgb(100, 132, 168)  
}
```

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(100, 132, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 132, 168) }
```

Border

The CSS property to change the border of an element to XYZ 20.5747, 22.0390, 40.2153 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(100, 132, 168) }
```


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

```
.border{ border-color:rgb(100, 132, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 132, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 132, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 132, 168);  
box-shadow:4px 4px 4px 4px rgb(100, 132,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5747, 22.0390, 40.2153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 132, 168) }
```

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

```
.background{ background-color: rgb(100,  
132, 168) }
```

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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