

Converting Colors

XYZ(20.4481, 23.2798, 42.4461)

Have a look what the booklet for
XYZ(20.4481, 23.2798, 42.4461)
contains.

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Color

**XYZ(20.5168, 23.4222,
42.4693)**

Conversions

Conversions Part 1

Format	Color
Hex	568BAC
RGB	86, 139, 172
RGB Percent	34%, 55%, 67%
CMY	0.6627, 0.4549, 0.3255
CMYK	0.50, 0.19, 0.00, 0.33
HSL	203°, 34%, 51%
HSV	203°, 50%, 67%
XYZ	20.5168, 23.4222, 42.4693
YIQ	126.9150, -42.1810, -0.9730

Conversions

Conversions Part 2

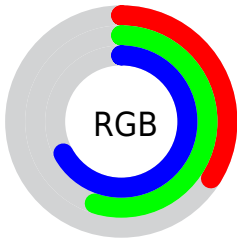
Format	Color
R _Y B	86, 119, 172
Decimal	5671852
CIE Lab	55.50, -8.27, -22.84
CIE LCh	56, 24.297, 250.089
Yxy	23.4222, 0.2374, 0.2711
Android (android.graphics.Color)	4283861932 (0xFF568BAC)
YUV	126.9150, 22.2269, -35.8825
Hunter-Lab	48.3965, -9.0221, -18.1511

Details

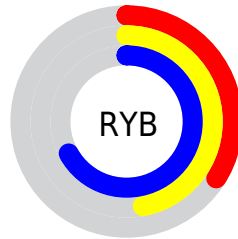
The XYZ color **20.5168, 23.4222, 42.4693** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **25.2906, 22.6372, 11.8415**, and the grayscale version is **20.0809, 21.1267, 23.0069**.

A 20% lighter version of the original color is **43.6993, 48.9080, 79.8100**, and **7.4414, 8.7477, 19.0656** is the 20% darker color. If you saturate the color by 10%, you get **18.1928, 20.8484, 42.0954**, and if you desaturate by 10%, it is **23.2812, 26.3096, 42.8814**.

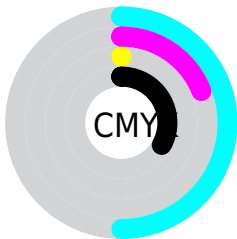
Distribution



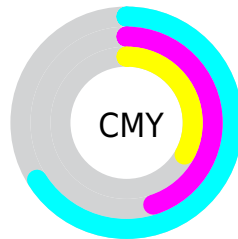
- Red (34%)
- Green (55%)
- Blue (67%)



- Red (34%)
- Yellow (47%)
- Blue (67%)



- Cyan (50%)
- Magenta (19%)
- Yellow (0%)
- Black (33%)



- Cyan (66%)
- Magenta (45%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5168, 23.4222, 42.4693 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 20.5168, 23.4222, 42.4693 by changing the saturation by 10% instead.

■ 20.5168, 23.4222,
42.4693

■ 20.5168, 23.4222,
42.4693

247.4799,
269.8861, 372.2816

■ 12.8817, 14.9056,
29.1406

■ 43.7793, 49.0857,
80.1871

■ 7.4236, 8.7531,
18.9407

■ 60.1375, 67.0013,
105.4134

■ 3.7771, 4.5805,
11.4511

■ 80.1340, 88.8187,
135.4426

■ 1.5768, 2.0033,
6.2531

■ 104.1342,
114.9222, 170.6933

■ 0.3772, 0.6094,
2.9283

132.5036,
145.6964, 211.5840

■ 0.0000, 0.0000,
1.0582

165.6074,

■ 0.0000, 0.0000,

181.5255, 258.5332

0.0000

203.8111,
222.7939, 311.9596

■ 20.5168, 23.4222,
42.4693

■ 20.5168, 23.4222,
42.4693

■ 18.1928, 20.8484,
42.0954

■ 23.2812, 26.3096,
42.8814

■ 16.2779, 18.5693,
41.7564

■ 26.5096, 29.5228,
43.3314

■ 14.7404, 16.5673,
41.4511

■ 30.2266, 33.0766,
43.8214

■ 13.5421, 14.8212,
41.1772

■ 34.4545, 36.9835,
44.3527

■ 12.6007, 13.2870,
40.9307

■ 39.2138, 41.2558,
44.9265

■ 12.6005, 13.2867,
40.9306

■ 44.5242, 45.9048,
45.5440

■ 50.4041, 50.9413,
46.2062

■ 56.8711, 56.3756,
46.9143

■ 63.9420, 62.2177,
47.6693

Harmonies

Analogous

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



18.4722, 23.4222, 36.4976



20.5168, 23.4222, 42.4693



23.1972, 23.4222, 43.4149

Triad

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



20.5168, 23.4222, 42.4693



27.8584, 23.4222, 22.9514



19.0408, 23.4222, 15.6190

Complementary

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



20.5168, 23.4222, 42.4693



25.2906, 22.6372, 11.8415

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.



21.3524, 23.4222, 13.3517



20.5168, 23.4222, 42.4693



26.5378, 23.4222, 16.9728

Square

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



20.5168, 23.4222, 42.4693



27.5883, 23.4222, 30.9902



24.1037, 23.4222, 13.7904



17.6697, 23.4222, 20.7047

Rectangle

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



20.5168, 23.4222, 42.4693



25.0074, 23.4222, 40.9006



24.1037, 23.4222, 13.7904



19.7255, 23.4222, 14.5545

Sweetspot

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



20.5176, 23.4231, 42.4699



58.3441, 63.2755, 79.9441



21.9188, 32.8152, 22.6220



12.3456, 13.4414, 17.3314



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.



20.5176, 23.4231, 42.4699



32.5949, 37.3509, 76.2973



15.4710, 13.3298, 40.7877



7.9743, 8.5480, 10.1823



9.4310, 9.9959, 30.4769



0.3131, 0.3796, 0.8648

Inverse Universe

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



25.0020, 17.2912, 26.4467



42.0178, 26.1901, 42.2417



31.6080, 35.2721, 13.9474



8.2048, 8.0952, 9.3894



14.6240, 7.3121, 10.9313



0.4324, 0.2137, 0.4390

Previews

White Background



This preview shows how the XYZ color 20.5168, 23.4222, 42.4693 looks on a white background.

Color Contrast Check

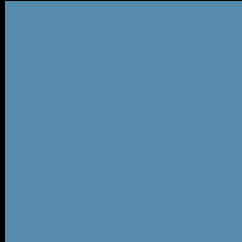
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5168, 23.4222, 42.4693 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

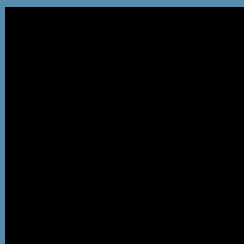
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

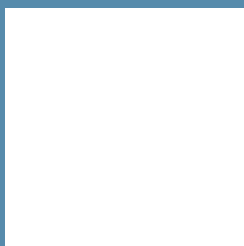
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.5168, 23.4222, 42.4693

Background



This preview shows how black text looks on a background with the XYZ color 20.5168, 23.4222, 42.4693.



This preview shows how white text looks on a background with the XYZ color 20.5168, 23.4222,

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

20.5168, 23.4222, 42.4693

Protanopia

23.3114, 23.2709, 39.3395

Deuteranopia

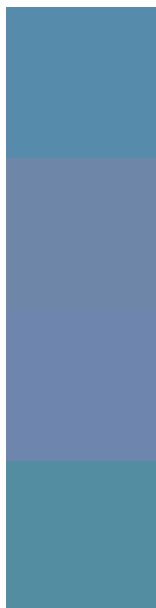
23.7910, 23.2322, 43.2747



Tritanopia

18.8140, 23.3846, 34.0939

Trichromacy



Original Color

20.5168, 23.4222, 42.4693

Protanomaly

22.0234, 23.1923, 40.3616

Deuteranomaly

22.3608, 23.1072, 42.8168

Tritanomaly

19.4376, 23.4168, 37.2136

Monochromacy



Original Color

20.5168, 23.4222, 42.4693

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.7563, 21.6605, 29.1262

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5168, 23.4222, 42.4693 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(86, 139, 172) looks like.

```
.text, #text, p{  
    color:rgb(86, 139, 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(86, 139, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 139, 172) }
```

Border

The CSS property to change the border of an element to XYZ 20.5168, 23.4222, 42.4693 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(86, 139, 172) }
```


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

```
.border{ border-color:rgb(86, 139, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 139, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 139, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 139, 172);  
box-shadow:4px 4px 4px 4px rgb(86, 139,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5168, 23.4222, 42.4693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 139, 172) }
```

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

```
.background{ background-color: rgb(86, 139,  
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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