

Converting Colors

XYZ(20.3353, 21.5323, 48.4318)

Have a look what the booklet for
XYZ(20.3353, 21.5323, 48.4318)
contains.

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Color

**XYZ(20.3353, 21.5323,
48.4318)**

Conversions

Conversions Part 1

Format	Color
Hex	5383B8
RGB	83, 131, 184
RGB Percent	33%, 51%, 72%
CMY	0.6745, 0.4863, 0.2784
CMYK	0.55, 0.29, 0.00, 0.28
HSL	211°, 42%, 52%
HSV	211°, 55%, 72%
XYZ	20.3353, 21.5323, 48.4318
YIQ	122.6900, -45.6210, 6.3070

Conversions

Conversions Part 2

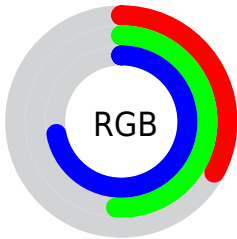
Format	Color
R _Y B	83, 116, 184
Decimal	5473208
CIE Lab	53.53, -0.64, -32.80
CIE LCh	54, 32.802, 268.885
Yxy	21.5323, 0.2252, 0.2385
Android (android.graphics.Color)	4283663288 (0xFF5383B8)
YUV	122.6900, 30.2258, -34.8081
Hunter-Lab	46.4029, -2.9804, -29.4003

Details

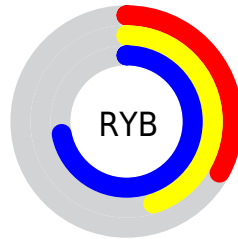
The XYZ color **20.3353, 21.5323, 48.4318** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **30.1335, 28.4243, 12.0828**, and the grayscale version is **18.6399, 19.6107, 21.3560**.

A 20% lighter version of the original color is **43.5161, 46.0612, 89.0352**, and **7.3635, 7.8019, 22.5905** is the 20% darker color. If you saturate the color by 10%, you get **17.6852, 18.3302, 47.9538**, and if you desaturate by 10%, it is **23.5385, 25.1998, 48.9713**.

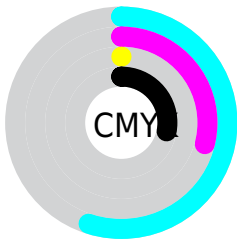
Distribution



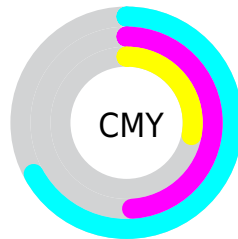
- Red (33%)
- Green (51%)
- Blue (72%)



- Red (33%)
- Yellow (45%)
- Blue (72%)



- Cyan (55%)
- Magenta (29%)
- Yellow (0%)
- Black (28%)



- Cyan (67%)
- Magenta (49%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3353, 21.5323, 48.4318 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 20.3353, 21.5323, 48.4318 by changing the saturation by 10% instead.

■ 20.3353, 21.5323,
48.4318

■ 20.3353, 21.5323,
48.4318

246.5237,
260.0940, 397.0591

■ 12.7487, 13.5136,
33.8065

■ 43.4783, 45.9718,
89.2192

■ 7.3315, 7.7832,
22.4689

■ 59.7654, 63.1614,
116.2184

■ 3.7185, 3.9565,
14.0002

■ 79.6833, 84.1767,
148.1794

■ 1.5441, 1.6493,
7.9821

■ 103.5975,
109.4023, 185.5206

■ 0.3556, 0.3905,
3.9959

131.8733,
139.2224, 228.6607

■ 0.0000, 0.0000,
1.6231

164.8760,

■ 0.0000, 0.0000,

174.0214, 278.0181

0.3072

202.9710,
214.1838, 334.0114

■ 0.0000, 0.0000,
0.0000

■ 20.3353, 21.5323,
48.4318

■ 20.3353, 21.5323,
48.4318

■ 17.6852, 18.3302,
47.9538

■ 23.5385, 25.1998,
48.9713

■ 15.5479, 15.5665,
47.5330

■ 27.3269, 29.3527,
49.5732

■ 13.8802, 13.2145,
47.1669

■ 31.7324, 34.0123,
50.2404

■ 12.6296, 11.2416,
46.8521

■ 36.7839, 39.1980,
50.9751

■ 12.0961, 10.3493,
46.7079

■ 42.5084, 44.9279,
51.7794

■ 48.9313, 51.2191,
52.6552

■ 56.0766, 58.0879,
53.6044

■ 63.9670, 65.5500,
54.6289

■ 72.6244, 73.6204,
55.7303

Harmonies

Analogous

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



17.1858, 21.5323, 44.0836



20.3353, 21.5323, 48.4318



23.8866, 21.5323, 44.6566

Triad

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



20.3353, 21.5323, 48.4318



26.9318, 21.5323, 15.3229



15.2348, 21.5323, 14.8395

Complementary

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



20.3353, 21.5323, 48.4318



30.1335, 28.4243, 12.0828

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.



17.3882, 21.5323, 10.3084



20.3353, 21.5323, 48.4318



24.1386, 21.5323, 10.5265

Square

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



20.3353, 21.5323, 48.4318



27.9468, 21.5323, 23.8216



20.5969, 21.5323, 8.9869



14.4554, 21.5323, 23.0725

Rectangle

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



20.3353, 21.5323, 48.4318



25.9577, 21.5323, 38.5145



20.5969, 21.5323, 8.9869



15.8089, 21.5323, 12.9299

Sweetspot

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



20.3361, 21.5331, 48.4323



65.3463, 69.7025, 92.2144



25.0946, 37.8750, 28.9784



13.6713, 14.6023, 19.8196



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



20.3361, 21.5331, 48.4323



31.1230, 32.0513, 86.7508



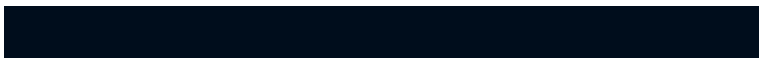
15.4635, 11.5647, 46.7650



8.8637, 9.4046, 11.4275



8.4064, 7.2724, 32.2137



0.3584, 0.3804, 1.1563

Inverse Universe

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



26.9578, 18.0164, 23.5301



44.8717, 26.8554, 34.5747



38.0687, 44.8897, 14.8427



9.1775, 9.0814, 10.2823



14.8568, 7.5165, 7.1328



0.5551, 0.2775, 0.4163

Previews

White Background



This preview shows how the XYZ color 20.3353, 21.5323, 48.4318 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 20.3353, 21.5323, 48.4318 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 20.3353, 21.5323, 48.4318

Background



This preview shows how black text looks on a background with the XYZ color 20.3353, 21.5323, 48.4318.

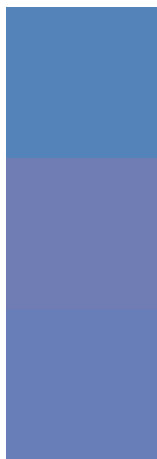


This preview shows how white text looks on a background with the XYZ color 20.3353, 21.5323,

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

20.3353, 21.5323, 48.4318

Protanopia

22.1274, 21.3420, 46.1332

Deuteranopia

21.9267, 21.3675, 48.8676



Tritanopia

17.0391, 21.6490, 31.7144

Trichromacy



Original Color

20.3353, 21.5323, 48.4318

Protanomaly

21.2967, 21.2816, 46.7014

Deuteranomaly

21.3000, 21.4279, 48.9123

Tritanomaly

18.0872, 21.4324, 37.3660

Monochromacy



Original Color

20.3353, 21.5323, 48.4318

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.7560, 20.1542, 29.6897

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3353, 21.5323, 48.4318 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(83, 131, 184)` looks like.

```
.text, #text, p{  
    color:rgb(83, 131, 184)  
}
```

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(83, 131, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 131, 184) }
```

Border

The CSS property to change the border of an element to XYZ 20.3353, 21.5323, 48.4318 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(83, 131, 184) }
```


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

```
.border{ border-color:rgb(83, 131, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 131, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 131, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 131, 184);  
box-shadow:4px 4px 4px 4px rgb(83, 131,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3353, 21.5323, 48.4318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 131, 184) }
```

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

```
.background{ background-color: rgb(83, 131,  
184) }
```

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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