

Converting Colors

XYZ(20.7065, 21.4021, 55.5277)

Have a look what the booklet for
XYZ(20.7065, 21.4021, 55.5277)
contains.

XYZ(20.6189, 21.3285, 55.2546)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.6189, 21.3285,
55.2546)**

Conversions

Conversions Part 1

Format	Color
Hex	4882C4
RGB	72, 130, 196
RGB Percent	28%, 51%, 77%
CMY	0.7176, 0.4902, 0.2314
CMYK	0.63, 0.34, 0.00, 0.23
HSL	212°, 51%, 53%
HSV	212°, 63%, 77%
XYZ	20.6189, 21.3285, 55.2546
YIQ	120.1820, -55.7540, 8.2300

Conversions

Conversions Part 2

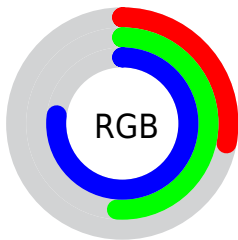
Format	Color
R_{YB}	72, 112, 196
Decimal	4752068
CIE _{Lab}	53.31, 1.69, -40.03
CIE _{LCh}	53, 40.067, 272.423
Yxy	21.3285, 0.2121, 0.2194
Android (android.graphics.Color)	4282942148 (0xFF4882C4)
YUV	120.1820, 37.3783, -42.2556
Hunter-Lab	46.1828, -1.1263, -38.6085

Details

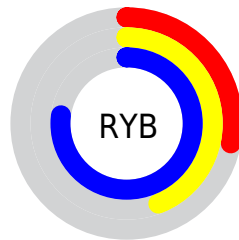
The XYZ color **20.6189, 21.3285, 55.2546** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **33.0243, 30.3823, 10.2558**, and the grayscale version is **17.8086, 18.7360, 20.4035**.

A 20% lighter version of the original color is **44.0232, 45.7841, 99.4455**, and **7.8249, 7.8379, 26.6916** is the 20% darker color. If you saturate the color by 10%, you get **18.0658, 18.0560, 54.7579**, and if you desaturate by 10%, it is **23.7800, 25.1240, 55.8210**.

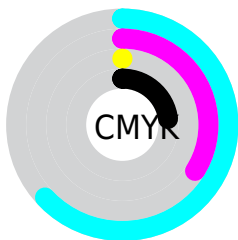
Distribution



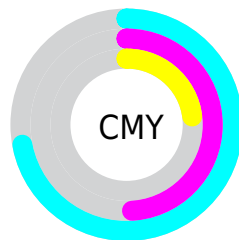
- Red (28%)
- Green (51%)
- Blue (77%)



- Red (28%)
- Yellow (44%)
- Blue (77%)



- Cyan (63%)
- Magenta (34%)
- Yellow (0%)
- Black (23%)



- Cyan (72%)
- Magenta (49%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6189, 21.3285, 55.2546 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 20.6189, 21.3285, 55.2546 by changing the saturation by 10% instead.

■ 20.6189, 21.3285,
55.2546

■ 20.6189, 21.3285,
55.2546

248.0164,
259.0192, 424.1854

■ 12.9566, 13.3643,
39.2056

■ 43.9485, 45.6336,
99.3888

■ 7.4755, 7.6799,
26.6107

■ 60.3465, 62.7433,
128.3110

■ 3.8101, 3.8908,
17.0512

■ 80.3870, 83.6704,
162.3615

■ 1.5953, 1.6127,
10.1087

■ 104.4356,
108.7992, 201.9587

■ 0.3893, 0.3661,
5.3645

■ 132.8574,
138.5140, 247.5211

■ 0.0000, 0.0000,
2.4002

166.0179,

■ 0.0000, 0.0000,

173.1994, 299.4674

0.7866

204.2825,
213.2396, 358.2160

■ 0.0000, 0.0000,
0.0000

■ 20.6189, 21.3285,
55.2546

■ 20.6189, 21.3285,
55.2546

■ 18.0658, 18.0560,
54.7579

■ 23.7800, 25.1240,
55.8210

■ 16.0681, 15.2721,
54.3259

■ 27.5907, 29.4689,
56.4588

■ 14.5667, 12.9403,
53.9549

■ 32.0913, 34.3900,
57.1715

■ 13.7629, 11.5836,
53.7354

■ 37.3181, 39.9114,
57.9618

■ 43.3046, 46.0558,
58.8322

■ 50.0821, 52.8443,
59.7853

■ 57.6800, 60.2971,
60.8234

■ 66.1262, 68.4334,
61.9487

■ 75.4473, 77.2715,
63.1634

Harmonies

Analogous

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



16.7256, 21.3285, 50.6934



20.6189, 21.3285, 55.2546



24.9675, 21.3285, 49.0496

Triad

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



20.6189, 21.3285, 55.2546



27.9663, 21.3285, 12.8149



13.8675, 21.3285, 14.0005

Complementary

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



20.6189, 21.3285, 55.2546



33.0243, 30.3823, 10.2558

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.



16.2057, 21.3285, 8.5588



20.6189, 21.3285, 55.2546



24.2875, 21.3285, 8.0612

Square

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



20.6189, 21.3285, 55.2546



29.5624, 21.3285, 22.2494



19.9292, 21.3285, 6.8293



13.1659, 21.3285, 24.2248

Rectangle

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



20.6189, 21.3285, 55.2546



27.4481, 21.3285, 40.5804



19.9292, 21.3285, 6.8293



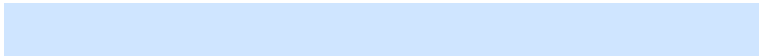
14.4704, 21.3285, 11.6917

Sweetspot

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



20.6197, 21.3292, 55.2551



71.7344, 76.5763, 105.6076



26.8620, 42.6377, 30.1328



14.7015, 15.7161, 22.5086



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



20.6197, 21.3292, 55.2551



31.1899, 30.6247, 98.8750



15.1113, 10.0799, 53.3741



9.9080, 10.5073, 12.7907



8.9278, 7.6120, 34.5553



0.4547, 0.4667, 1.5160

Inverse Universe

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



29.1123, 17.9832, 23.0564



48.5743, 26.8808, 32.2677



43.1412, 51.4087, 13.7811



10.2649, 10.1545, 11.4852



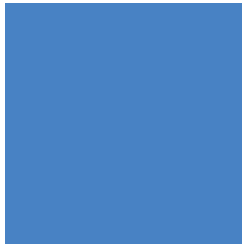
15.9023, 8.0507, 7.3976



0.7219, 0.3618, 0.5028

Previews

White Background



This preview shows how the XYZ color 20.6189, 21.3285, 55.2546 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 20.6189, 21.3285, 55.2546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

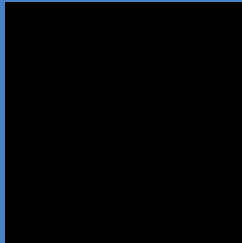
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.6189, 21.3285, 55.2546

Background



This preview shows how black text looks on a background with the XYZ color 20.6189, 21.3285, 55.2546.

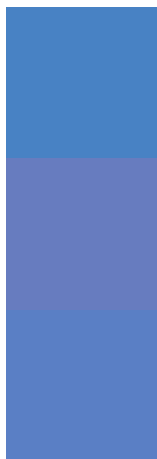


This preview shows how white text looks on a background with the XYZ color 20.6189, 21.3285,

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

20.6189, 21.3285, 55.2546

Protanopia

22.2051, 21.0605, 52.1850

Deuteranopia

21.8839, 21.3836, 55.7974



Tritanopia

15.9566, 21.2956, 32.1236

Trichromacy



Original Color

20.6189, 21.3285, 55.2546

Protanomaly

21.5001, 21.0473, 53.3814

Deuteranomaly

21.3645, 21.3086, 55.8103

Tritanomaly

17.4666, 21.2682, 39.7438

Monochromacy



Original Color

20.6189, 21.3285, 55.2546

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.1465, 19.4370, 30.8123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6189, 21.3285, 55.2546 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(72, 130, 196)` looks like.

```
.text, #text, p{  
    color:rgb(72, 130, 196)  
}
```

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(72, 130, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 130, 196) }
```

Border

The CSS property to change the border of an element to XYZ 20.6189, 21.3285, 55.2546 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(72, 130, 196) }
```


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

```
.border{ border-color:rgb(72, 130, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 130, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 130, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 130, 196);  
box-shadow:4px 4px 4px 4px rgb(72, 130,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6189, 21.3285, 55.2546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 130, 196) }
```

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

```
.background{ background-color: rgb(72, 130,  
196) }
```

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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