

Converting Colors

XYZ(20.6932, 21.5388, 56.4928)

Have a look what the booklet for
XYZ(20.6932, 21.5388, 56.4928)
contains.

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Color

**XYZ(20.6932, 21.5388,
56.4928)**

Conversions

Conversions Part 1

Format	Color
Hex	4483C6
RGB	68, 131, 198
RGB Percent	27%, 51%, 78%
CMY	0.7333, 0.4863, 0.2235
CMYK	0.66, 0.34, 0.00, 0.22
HSL	211°, 53%, 52%
HSV	211°, 66%, 78%
XYZ	20.6932, 21.5388, 56.4928
YIQ	119.8010, -59.0550, 7.4810

Conversions

Conversions Part 2

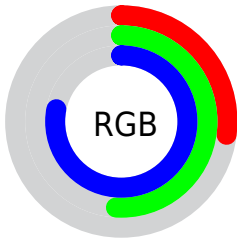
Format	Color
R _Y B	68, 110, 198
Decimal	4490182
CIE Lab	53.53, 1.08, -40.82
CIE LCh	54, 40.837, 271.509
Yxy	21.5388, 0.2096, 0.2182
Android (android.graphics.Color)	4282680262 (0xFF4483C6)
YUV	119.8010, 38.5521, -45.4295
Hunter-Lab	46.4099, -1.6280, -39.6842

Details

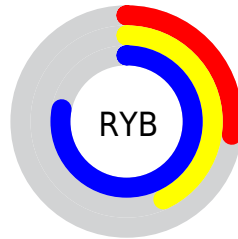
The XYZ color **20.6932, 21.5388, 56.4928** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **32.9972, 29.7527, 9.4736**, and the grayscale version is **17.6844, 18.6054, 20.2612**.

A 20% lighter version of the original color is **44.0926, 46.0902, 101.1801**, and **8.0513, 8.0482, 27.5147** is the 20% darker color. If you saturate the color by 10%, you get **18.2345, 18.3361, 56.0047**, and if you desaturate by 10%, it is **23.7547, 25.2533, 57.0489**.

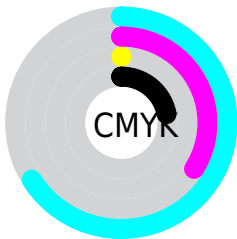
Distribution



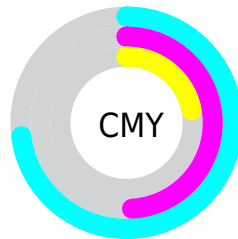
- Red (27%)
- Green (51%)
- Blue (78%)



- Red (27%)
- Yellow (43%)
- Blue (78%)



- Cyan (66%)
- Magenta (34%)
- Yellow (0%)
- Black (22%)



- Cyan (73%)
- Magenta (49%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6932, 21.5388, 56.4928 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 20.6932, 21.5388, 56.4928 by changing the saturation by 10% instead.

■ 20.6932, 21.5388,
56.4928

■ 20.6932, 21.5388,
56.4928

248.4062,
260.1282, 428.9864

■ 13.0111, 13.5184,
40.1915

■ 44.0715, 45.9825,
101.2177

■ 7.5132, 7.7865,
27.3730

■ 60.4984, 63.1747,
130.4784

■ 3.8343, 3.9586,
17.6186

■ 80.5710, 84.1929,
164.8960

■ 1.6088, 1.6504,
10.5099

■ 104.6546,
109.4215, 204.8891

■ 0.3981, 0.3913,
5.6283

■ 133.1146,
139.2449, 250.8761

■ 0.0000, 0.0000,
2.5553

166.3162,

■ 0.0000, 0.0000,

174.0476, 303.2756

0.8693

204.6250,
214.2139, 362.5062

■ 0.0000, 0.0000,
0.0000

■ 20.6932, 21.5388,
56.4928

■ 20.6932, 21.5388,
56.4928

■ 18.2345, 18.3361,
56.0047

■ 23.7547, 25.2533,
57.0489

■ 16.3232, 15.6099,
55.5792

■ 27.4627, 29.5068,
57.6744

■ 14.8952, 13.3216,
55.2127

■ 31.8591, 34.3264,
58.3730

■ 14.3716, 12.4341,
55.0691

■ 36.9814, 39.7366,
59.1473

■ 42.8643, 45.7602,
59.9999

■ 49.5399, 52.4187,
60.9333

■ 57.0386, 59.7322,
61.9497

■ 65.3890, 67.7201,
63.0514

■ 74.6184, 76.4007,
64.2405

Harmonies

Analogous

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



16.7341, 21.5388, 51.4503



20.6932, 21.5388, 56.4928



25.1643, 21.5388, 50.3918

Triad

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



20.6932, 21.5388, 56.4928



28.4670, 21.5388, 13.0243



13.9629, 21.5388, 13.7771

Complementary

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



20.6932, 21.5388, 56.4928



32.9972, 29.7527, 9.4736

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.



16.4026, 21.5388, 8.3794



20.6932, 21.5388, 56.4928



24.7287, 21.5388, 8.0655

Square

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



20.6932, 21.5388, 56.4928



30.0282, 21.5388, 22.8265



20.2523, 21.5388, 6.7267



13.1945, 21.5388, 24.0891

Rectangle

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



20.6932, 21.5388, 56.4928



27.7451, 21.5388, 41.7535



20.2523, 21.5388, 6.7267



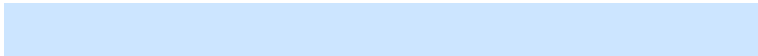
14.5959, 21.5388, 11.4751

Sweetspot

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



20.6940, 21.5395, 56.4933



70.8923, 75.9382, 105.5289



26.8125, 43.3112, 29.1383



14.5468, 15.6099, 22.4963



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.



20.6940, 21.5395, 56.4933



30.6418, 30.1808, 98.8182



14.6450, 9.4414, 54.4770



10.4738, 11.1216, 13.5122



9.4311, 8.2560, 35.8409



0.5190, 0.5358, 1.7212

Inverse Universe

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



29.4533, 17.7796, 23.3528



48.1383, 26.0966, 31.8519



44.5267, 52.8118, 13.3168



10.8444, 10.7212, 12.1640



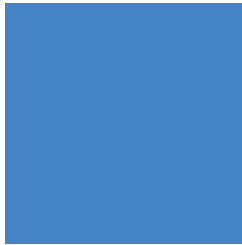
16.5597, 8.3734, 8.1572



0.8207, 0.4111, 0.5788

Previews

White Background



This preview shows how the XYZ color 20.6932, 21.5388, 56.4928 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 20.6932, 21.5388, 56.4928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

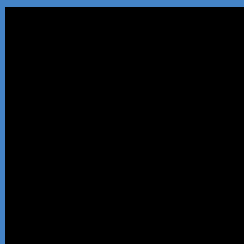
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

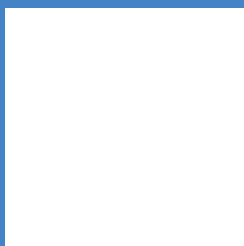
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.6932, 21.5388, 56.4928

Background



This preview shows how black text looks on a background with the XYZ color 20.6932, 21.5388, 56.4928.

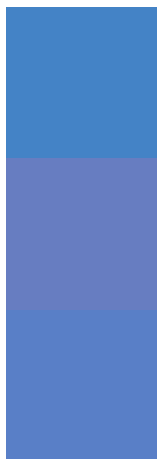


This preview shows how white text looks on a background with the XYZ color 20.6932, 21.5388,

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

20.6932, 21.5388, 56.4928

Protanopia

22.5528, 21.4011, 53.3942

Deuteranopia

22.0180, 21.4261, 57.0080



Tritanopia

15.9207, 21.4743, 33.0116

Trichromacy



Original Color

20.6932, 21.5388, 56.4928

Protanomaly

21.6561, 21.2925, 54.5982

Deuteranomaly

21.4213, 21.3112, 57.0173

Tritanomaly

17.4225, 21.4340, 40.7550

Monochromacy



Original Color

20.6932, 21.5388, 56.4928

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.9198, 19.3201, 30.8017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6932, 21.5388, 56.4928 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(68, 131, 198)` looks like.

```
.text, #text, p{  
    color:rgb(68, 131, 198)  
}
```

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(68, 131, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 131, 198) }
```

Border

The CSS property to change the border of an element to XYZ 20.6932, 21.5388, 56.4928 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(68, 131, 198) }
```


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

```
.border{ border-color:rgb(68, 131, 198) }
```

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

Here you see how a box with a 4 pixel rgb(68, 131, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 131, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 131, 198);  
box-shadow:4px 4px 4px 4px rgb(68, 131,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6932, 21.5388, 56.4928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 131, 198) }
```

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

```
.background{ background-color: rgb(68, 131,  
198) }
```

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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