

Converting Colors

XYZ(21.1439, 23.7290, 55.5666)

Have a look what the booklet for
XYZ(21.1439, 23.7290, 55.5666)
contains.

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Color

**XYZ(21.1455, 23.6715,
55.6791)**

Conversions

Conversions Part 1

Format	Color
Hex	3B8CC4
RGB	59, 140, 196
RGB Percent	23%, 55%, 77%
CMY	0.7686, 0.4510, 0.2314
CMYK	0.70, 0.29, 0.00, 0.23
HSL	205°, 54%, 50%
HSV	205°, 70%, 77%
XYZ	21.1455, 23.6715, 55.6791
YIQ	122.1650, -66.2520, 0.2440

Conversions

Conversions Part 2

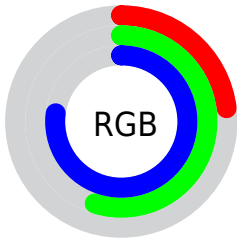
Format	Color
R_{YB}	59, 110, 196
Decimal	3902660
CIE _{Lab}	55.76, -6.33, -36.21
CIE _{LCh}	56, 36.764, 260.083
Yxy	23.6715, 0.2104, 0.2355
Android (android.graphics.Color)	4282092740 (0xFF3B8CC4)
YUV	122.1650, 36.4007, -55.3957
Hunter-Lab	48.6534, -7.5645, -33.7943

Details

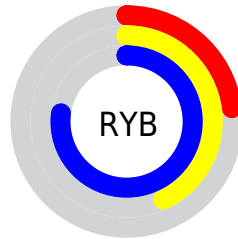
The XYZ color **21.1455, 23.6715, 55.6791** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark muted azure. A complement of this color would be **29.6863, 24.3148, 7.2674**, and the grayscale version is **18.4539, 19.4150, 21.1429**.

A 20% lighter version of the original color is **44.8256, 49.3694, 100.0952**, and **8.5386, 9.2653, 26.9295** is the 20% darker color. If you saturate the color by 10%, you get **19.0660, 20.9247, 55.2590**, and if you desaturate by 10%, it is **23.7479, 26.8152, 56.1492**.

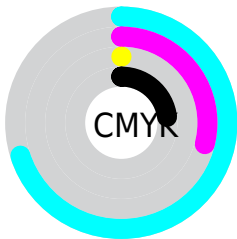
Distribution



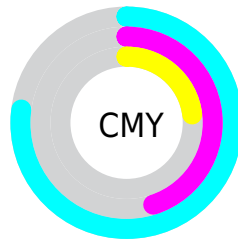
- Red (23%)
- Green (55%)
- Blue (77%)



- Red (23%)
- Yellow (43%)
- Blue (77%)



- Cyan (70%)
- Magenta (29%)
- Yellow (0%)
- Black (23%)



- Cyan (77%)
- Magenta (45%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1455, 23.6715, 55.6791 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 21.1455, 23.6715, 55.6791 by changing the saturation by 10% instead.

■ 21.1455, 23.6715,
55.6791

■ 21.1455, 23.6715,
55.6791

250.7678,
271.1555, 425.8353

■ 13.3435, 15.0901,
39.5434

■ 44.8190, 49.4936,
100.0163

■ 7.7441, 8.8827,
26.8717

■ 61.4212, 67.5031,
129.0550

■ 3.9821, 4.6647,
17.2453

■ 81.6875, 89.4241,
163.2317

■ 1.6920, 2.0519,
10.2457

■ 105.9832,
115.6410, 202.9650

■ 0.4513, 0.6374,
5.4545

■ 134.6738,
146.5382, 248.6735

■ 0.0000, 0.0000,
2.4529

168.1245,

■ 0.0000, 0.0000,

182.5001, 300.7757

0.8151

206.7007,
223.9110, 359.6901

■ 0.0000, 0.0000,
0.0000

■ 21.1455, 23.6715,
55.6791

■ 21.1455, 23.6715,
55.6791

■ 19.0660, 20.9247,
55.2590

■ 23.7479, 26.8152,
56.1492

■ 17.4534, 18.5420,
54.8841

■ 26.9162, 30.3794,
56.6702

■ 16.2079, 16.4698,
54.5498

■ 30.6913, 34.3882,
57.2450

■ 16.1956, 16.4489,
54.5464

■ 35.1095, 38.8625,
57.8758

■ 40.2039, 43.8220,
58.5645

■ 46.0053, 49.2847,
59.3132

■ 52.5425, 55.2679,
60.1235

■ 59.8424, 61.7876,
60.9972

■ 67.9309, 68.8593,
61.9358

Harmonies

Analogous

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



17.7337, 23.6715, 47.7183



21.1455, 23.6715, 55.6791



25.3679, 23.6715, 53.9365

Triad

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



21.1455, 23.6715, 55.6791



30.9065, 23.6715, 18.6620



16.8897, 23.6715, 13.6633

Complementary

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



21.1455, 23.6715, 55.6791



29.6863, 24.3148, 7.2674

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.



19.8550, 23.6715, 9.6570



21.1455, 23.6715, 55.6791



28.0497, 23.6715, 11.8629

Square

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



21.1455, 23.6715, 55.6791



31.3634, 23.6715, 29.9371



23.9092, 23.6715, 9.1195



15.4853, 23.6715, 22.0164

Rectangle

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



21.1455, 23.6715, 55.6791



28.0704, 23.6715, 47.6535



23.9092, 23.6715, 9.1195



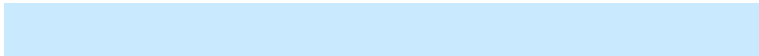
17.7184, 23.6715, 11.8885

Sweetspot

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



21.1464, 23.6723, 55.6797



71.4287, 78.0402, 105.9063



24.5704, 41.6207, 22.6001



14.7185, 16.1529, 22.5920



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.



21.1464, 23.6723, 55.6797



32.8561, 35.4865, 99.7256



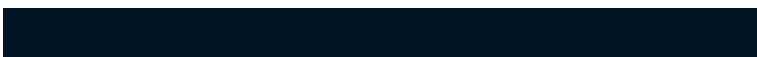
14.1314, 9.6423, 53.3414



10.0121, 10.7156, 12.8254



10.4926, 10.7418, 35.0770



0.5198, 0.5969, 1.5377

Inverse Universe

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



29.0633, 16.7581, 26.5145



49.0419, 25.6384, 39.1371



40.3445, 45.6313, 10.8201



10.3174, 10.1756, 11.7621



16.6922, 8.3666, 11.5570



0.7547, 0.3749, 0.6758

Previews

White Background



This preview shows how the XYZ color 21.1455, 23.6715, 55.6791 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 21.1455, 23.6715, 55.6791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

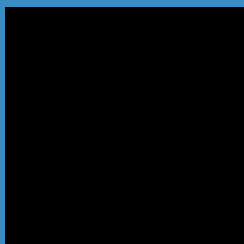
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

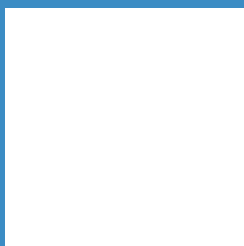
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.1455, 23.6715, 55.6791

Background



This preview shows how black text looks on a background with the XYZ color 21.1455, 23.6715, 55.6791.

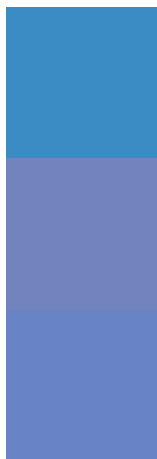


This preview shows how white text looks on a background with the XYZ color 21.1455, 23.6715,

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

21.1455, 23.6715, 55.6791

Protanopia

24.3718, 23.5516, 51.4055

Deuteranopia

24.1532, 23.5228, 56.6934



Tritanopia

17.2568, 23.6619, 36.4586

Trichromacy



Original Color

21.1455, 23.6715, 55.6791

Protanomaly

22.7588, 23.2889, 53.1649

Deuteranomaly

22.7665, 23.4339, 56.1466

Tritanomaly

18.3341, 23.3965, 42.5794

Monochromacy



Original Color

21.1455, 23.6715, 55.6791

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.4207, 20.5231, 31.4242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1455, 23.6715, 55.6791 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(59, 140, 196)` looks like.

```
.text, #text, p{  
    color:rgb(59, 140, 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(59, 140, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 140, 196) }
```

Border

The CSS property to change the border of an element to XYZ 21.1455, 23.6715, 55.6791 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(59, 140, 196) }
```


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

```
.border{ border-color:rgb(59, 140, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 140, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 140, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 140, 196);  
box-shadow:4px 4px 4px 4px rgb(59, 140,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1455, 23.6715, 55.6791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 140, 196) }
```

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

```
.background{ background-color: rgb(59, 140,  
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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