

Converting Colors

XYZ(20.7003, 23.1397, 61.7336)

Have a look what the booklet for
XYZ(20.7003, 23.1397, 61.7336)
contains.

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Color

**XYZ(20.6825, 23.0809,
61.7575)**

Conversions

Conversions Part 1

Format	Color
Hex	158BCE
RGB	21, 139, 206
RGB Percent	8%, 55%, 81%
CMY	0.9175, 0.4549, 0.1922
CMYK	0.90, 0.33, 0.00, 0.19
HSL	202°, 81%, 45%
HSV	202°, 90%, 81%
XYZ	20.6825, 23.0809, 61.7575
YIQ	111.3560, -91.8350, -4.1790

Conversions

Conversions Part 2

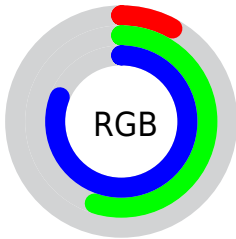
Format	Color
R_{YB}	21, 93, 206
Decimal	1412046
CIE _{Lab}	55.16, -5.96, -42.87
CIE _{LCh}	55, 43.285, 262.079
Yxy	23.0809, 0.1960, 0.2187
Android (android.graphics.Color)	4279602126 (0xFF158BCE)
YUV	111.3560, 46.6595, -79.2422
Hunter-Lab	48.0426, -7.2297, -42.5860

Details

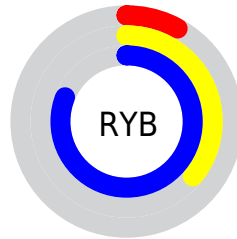
The XYZ color **20.6825, 23.0809, 61.7575** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **29.0816, 20.1605, 3.0695**, and the grayscale version is **15.1034, 15.8900, 17.3042**.

A 20% lighter version of the original color is **42.6086, 47.8623, 101.6004**, and **9.1583, 9.3791, 30.6058** is the 20% darker color. If you saturate the color by 10%, you get **19.3350, 20.8370, 61.3959**, and if you desaturate by 10%, it is **22.4309, 25.6416, 62.1601**.

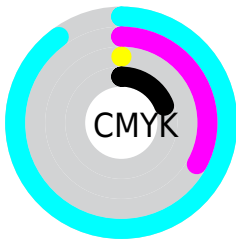
Distribution



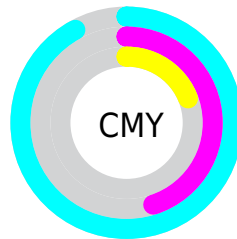
- Red (8%)
- Green (55%)
- Blue (81%)



- Red (8%)
- Yellow (36%)
- Blue (81%)



- Cyan (90%)
- Magenta (33%)
- Yellow (0%)
- Black (19%)



- Cyan (92%)
- Magenta (45%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6825, 23.0809, 61.7575 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 20.6825, 23.0809, 61.7575 by changing the saturation by 10% instead.

■ 20.6825, 23.0809,
61.7575

■ 20.6825, 23.0809,
61.7575

248.3501,
268.1402, 449.0292

■ 13.0033, 14.6533,
44.4023

■ 44.0538, 48.5261,
108.9432

■ 7.5078, 8.5764,
30.6474

■ 60.4766, 66.3125,
139.6107

■ 3.8308, 4.4659,
20.0743

■ 80.5445, 87.9872,
175.5527

■ 1.6069, 1.9375,
12.2644

■ 104.6231,
113.9347, 217.1877

■ 0.3969, 0.5708,
6.7993

■ 133.0775,
144.5394, 264.9344

■ 0.0000, 0.0000,
3.2604

166.2733,

■ 0.0000, 0.0000,

180.1856, 319.2111

1.2291

204.5757,
221.2578, 380.4366

■ 0.0000, 0.0000,
0.0026

■ 0.0000, 0.0000,
0.0000

■ 20.6825, 23.0809,
61.7575

■ 20.6825, 23.0809,
61.7575

■ 19.3350, 20.8370,
61.3959

■ 22.4309, 25.6416,
62.1601

■ 19.3086, 20.7922,
61.3886

■ 24.6849, 28.5742,
62.6074

■ 27.5055, 31.9126,
63.1031

■ 30.9434, 35.6848,
63.6500

■ 35.0434, 39.9159,
64.2506

■ 39.8458, 44.6286,
64.9071

■ 45.3875, 49.8438,
65.6217

■ 51.7026, 55.5808,
66.3962

■ 58.8231, 61.8579,
67.2325

Harmonies

Analogous

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



16.7103, 23.0809, 52.4977



20.6825, 23.0809, 61.7575



25.6175, 23.0809, 58.7185

Triad

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



20.6825, 23.0809, 61.7575



31.7194, 23.0809, 16.3998



15.3961, 23.0809, 12.0718

Complementary

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



20.6825, 23.0809, 61.7575



29.0816, 20.1605, 3.0695

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.



18.6283, 23.0809, 7.6623



20.6825, 23.0809, 61.7575



28.1553, 23.0809, 9.4456

Square

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



20.6825, 23.0809, 61.7575



32.4831, 23.0809, 28.9779



23.2427, 23.0809, 6.9190



13.9642, 23.0809, 21.6409

Rectangle

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



20.6825, 23.0809, 61.7575



28.7695, 23.0809, 50.4961



23.2427, 23.0809, 6.9190



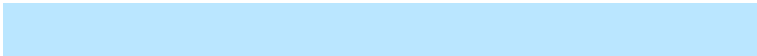
16.2833, 23.0809, 10.1067

Sweetspot

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



20.6834, 23.0816, 61.7581



66.6501, 74.3057, 105.4373



24.0519, 44.9709, 16.1682



13.6401, 15.3054, 22.4853



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.



20.6834, 23.0816, 61.7581



31.0824, 33.2848, 99.3941



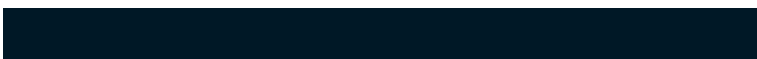
12.5395, 6.7940, 59.0435



11.1883, 12.0170, 14.3002



11.9845, 12.9929, 37.8325



0.6887, 0.8112, 1.9752

Inverse Universe

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



30.3828, 15.5235, 25.8216



47.8182, 23.8913, 36.5701



41.5607, 45.1186, 7.2292



11.5084, 11.3321, 13.2118



18.2601, 9.1146, 14.3543



0.9776, 0.4844, 0.9278

Previews

White Background



This preview shows how the XYZ color 20.6825, 23.0809, 61.7575 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 20.6825, 23.0809, 61.7575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

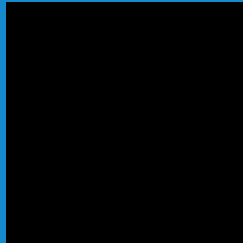
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

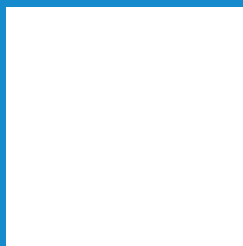
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.6825, 23.0809, 61.7575

Background



This preview shows how black text looks on a background with the XYZ color 20.6825, 23.0809, 61.7575.

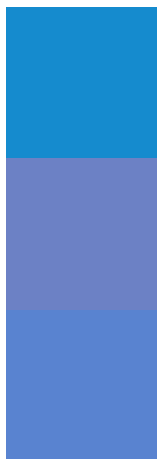


This preview shows how white text looks on a background with the XYZ color 20.6825, 23.0809,

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

20.6825, 23.0809, 61.7575

Protanopia

24.1126, 22.9199, 55.9764

Deuteranopia

23.6213, 22.9105, 62.8517



Tritanopia

16.3647, 22.9921, 35.4737

Trichromacy



Original Color

20.6825, 23.0809, 61.7575

Protanomaly

21.7933, 22.4817, 57.8343

Deuteranomaly

21.9019, 22.6452, 62.2481

Tritanomaly

17.6605, 22.7917, 44.0259

Monochromacy



Original Color

20.6825, 23.0809, 61.7575

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.1676, 17.3698, 29.7474

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6825, 23.0809, 61.7575 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(21, 139, 206)` looks like.

```
.text, #text, p{  
    color:rgb(21, 139, 206)  
}
```

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(21, 139, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 139, 206) }
```

Border

The CSS property to change the border of an element to XYZ 20.6825, 23.0809, 61.7575 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(21, 139, 206) }
```


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

```
.border{ border-color:rgb(21, 139, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 139, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 139, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 139, 206);  
box-shadow:4px 4px 4px 4px rgb(21, 139,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6825, 23.0809, 61.7575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 139, 206) }
```

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

```
.background{ background-color: rgb(21, 139,  
206) }
```

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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