

Converting Colors

XYZ(21.2989, 23.2575, 63.9546)

Have a look what the booklet for
XYZ(21.2989, 23.2575, 63.9546)
contains.

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Color

**XYZ(21.3063, 23.3600,
63.7076)**

Conversions

Conversions Part 1

Format	Color
Hex	1F8BD1
RGB	31, 139, 209
RGB Percent	12%, 55%, 82%
CMY	0.8784, 0.4549, 0.1804
CMYK	0.85, 0.33, 0.00, 0.18
HSL	204°, 74%, 47%
HSV	204°, 85%, 82%
XYZ	21.3063, 23.3600, 63.7076
YIQ	114.6880, -86.8380, -1.1260

Conversions

Conversions Part 2

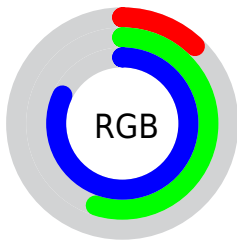
Format	Color
R_{YB}	31, 98, 209
Decimal	2067409
CIE _{Lab}	55.44, -4.20, -44.10
CIE _{LCh}	55, 44.304, 264.557
Yxy	23.3600, 0.1966, 0.2156
Android (android.graphics.Color)	4280257489 (0xFF1F8BD1)
YUV	114.6880, 46.4958, -73.3944
Hunter-Lab	48.3322, -5.8931, -44.3188

Details

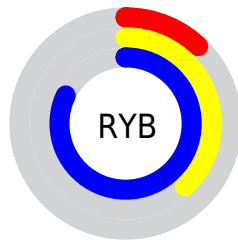
The XYZ color **21.3063, 23.3600, 63.7076** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **31.1978, 22.9654, 4.0861**, and the grayscale version is **16.0861, 16.9238, 18.4301**.

A 20% lighter version of the original color is **43.0840, 48.1074, 101.6226**, and **9.4051, 9.4779, 31.9056** is the 20% darker color. If you saturate the color by 10%, you get **19.7224, 20.8428, 63.3057**, and if you desaturate by 10%, it is **23.3889, 26.2678, 64.1596**.

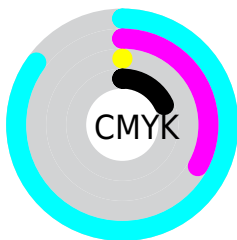
Distribution



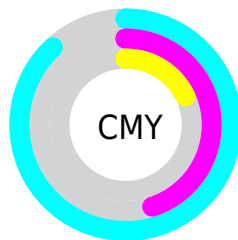
- Red (12%)
- Green (55%)
- Blue (82%)



- Red (12%)
- Yellow (38%)
- Blue (82%)



- Cyan (85%)
- Magenta (33%)
- Yellow (0%)
- Black (18%)



- Cyan (88%)
- Magenta (45%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3063, 23.3600, 63.7076 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 21.3063, 23.3600, 63.7076 by changing the saturation by 10% instead.

■ 21.3063, 23.3600,
63.7076

■ 21.3063, 23.3600,
63.7076

251.6029,
269.5687, 456.3114

■ 13.4618, 14.8596,
45.9692

■ 45.0842, 48.9838,
111.7851

■ 7.8265, 8.7209,
31.8730

■ 61.7483, 66.8759,
142.9614

■ 4.0350, 4.5596,
21.0005

■ 82.0830, 88.6674,
179.4540

■ 1.7220, 1.9912,
12.9331

■ 106.4537,
114.7426, 221.6815

■ 0.4700, 0.6024,
7.2523

■ 135.2256,
145.4859, 270.0625

■ 0.0000, 0.0000,
3.5396

168.7643,

■ 0.0000, 0.0000,

181.2818, 325.0154

1.3763

207.4349,
222.5146, 386.9589

■ 0.0000, 0.0000,
0.1231

■ 0.0000, 0.0000,
0.0000

■ 21.3063, 23.3600,
63.7076

■ 21.3063, 23.3600,
63.7076

■ 19.7224, 20.8428,
63.3057

■ 23.3889, 26.2678,
64.1596

■ 19.0725, 19.7311,
63.1254

■ 26.0376, 29.6027,
64.6637

■ 29.3110, 33.3982,
65.2238

■ 33.2589, 37.6824,
65.8426

■ 37.9258, 42.4809,
66.5229

■ 43.3522, 47.8170,
67.2668

■ 49.5752, 53.7124,
68.0768

■ 56.6295, 60.1873,
68.9548

■ 64.5475, 67.2608,
69.9028

Harmonies

Analogous

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



17.0965, 23.3600, 54.9870



21.3063, 23.3600, 63.7076



26.4286, 23.3600, 59.4555

Triad

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



21.3063, 23.3600, 63.7076



32.1098, 23.3600, 15.6488



15.2749, 23.3600, 12.6083

Complementary

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



21.3063, 23.3600, 63.7076



31.1978, 22.9654, 4.0861

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.



18.4536, 23.3600, 7.7480



21.3063, 23.3600, 63.7076



28.2368, 23.3600, 8.9874

Square

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



21.3063, 23.3600, 63.7076



33.1746, 23.3600, 28.1283



23.1245, 23.3600, 6.7284



13.9641, 23.3600, 22.9195

Rectangle

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



21.3063, 23.3600, 63.7076



29.6283, 23.3600, 50.4320



23.1245, 23.3600, 6.7284



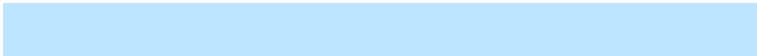
16.1351, 23.3600, 10.4626

Sweetspot

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



21.3072, 23.3608, 63.7082



66.9604, 73.9974, 105.3615



25.6302, 46.7985, 19.5481



13.6748, 15.1973, 22.4626



0.0000, 0.0000, 0.0000



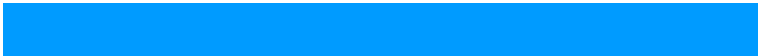
20.3446, 21.4041, 23.3091

Same Dimension

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



21.3072, 23.3608, 63.7082



29.7231, 30.5662, 98.9410



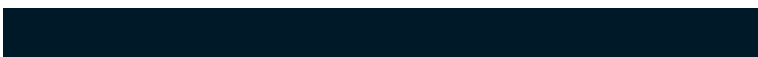
13.2927, 7.3318, 61.0367



11.7519, 12.5940, 15.0552



11.8579, 12.3624, 38.9537



0.7391, 0.8435, 2.2034

Inverse Universe

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



31.4455, 16.4005, 25.9349



47.1320, 23.6168, 32.9571



44.5760, 49.7219, 8.5455



12.1057, 11.9270, 13.8322



18.6161, 9.3193, 13.4162



1.0793, 0.5364, 0.9525

Previews

White Background



This preview shows how the XYZ color 21.3063, 23.3600, 63.7076 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 21.3063, 23.3600, 63.7076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

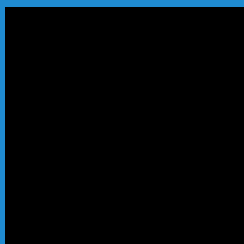
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

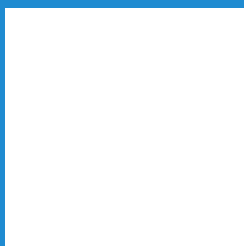
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.3063, 23.3600, 63.7076

Background



This preview shows how black text looks on a background with the XYZ color 21.3063, 23.3600, 63.7076.



This preview shows how white text looks on a background with the XYZ color 21.3063, 23.3600,

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

21.3063, 23.3600, 63.7076

Protanopia

24.5887, 23.3081, 58.4613

Deuteranopia

23.9396, 23.2319, 64.8505



Tritanopia

16.6053, 23.3361, 35.9769

Trichromacy



Original Color

21.3063, 23.3600, 63.7076

Protanomaly

22.5111, 22.7970, 60.3405

Deuteranomaly

22.6116, 23.1744, 64.2541

Tritanomaly

18.0471, 23.1920, 45.1203

Monochromacy



Original Color

21.3063, 23.3600, 63.7076

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.2886, 18.4700, 31.1403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3063, 23.3600, 63.7076 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(31, 139, 209)` looks like.

```
.text, #text, p{  
    color:rgb(31, 139, 209)  
}
```

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(31, 139, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 139, 209) }
```

Border

The CSS property to change the border of an element to XYZ 21.3063, 23.3600, 63.7076 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(31, 139, 209) }
```


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

```
.border{ border-color:rgb(31, 139, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 139, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 139, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 139, 209);  
box-shadow:4px 4px 4px 4px rgb(31, 139,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3063, 23.3600, 63.7076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 139, 209) }
```

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

```
.background{ background-color: rgb(31, 139,  
209) }
```

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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