

Converting Colors

XYZ(20.8822, 23.8195, 62.1464)

Have a look what the booklet for
XYZ(20.8822, 23.8195, 62.1464)
contains.

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Color

**XYZ(20.8386, 23.8151,
61.8910)**

Conversions

Conversions Part 1

Format	Color
Hex	028ECE
RGB	2, 142, 206
RGB Percent	1%, 56%, 81%
CMY	0.9920, 0.4431, 0.1922
CMYK	0.99, 0.31, 0.00, 0.19
HSL	199°, 98%, 41%
HSV	199°, 99%, 81%
XYZ	20.8386, 23.8151, 61.8910
YIQ	107.4360, -103.9840, -9.7760

Conversions

Conversions Part 2

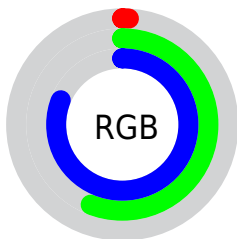
Format	Color
R_{YB}	2, 85, 206
Decimal	167630
CIE _{Lab}	55.90, -8.43, -41.70
CIE _{LCh}	56, 42.547, 258.575
Yxy	23.8151, 0.1956, 0.2235
Android (android.graphics.Color)	4278357710 (0xFF028ECE)
YUV	107.4360, 48.5921, -92.4674
Hunter-Lab	48.8007, -9.1792, -41.0334

Details

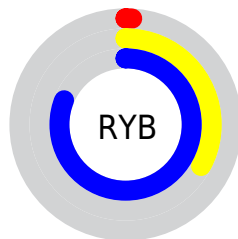
The XYZ color **20.8386, 23.8151, 61.8910** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **27.4160, 17.0283, 1.9006**, and the grayscale version is **13.9902, 14.7188, 16.0288**.

A 20% lighter version of the original color is **42.8206, 48.9595, 101.8010**, and **9.4131, 9.8887, 30.6907** is the 20% darker color. If you saturate the color by 10%, you get **20.7186, 23.6120, 61.8586**, and if you desaturate by 10%, it is **22.1491, 25.9604, 62.2365**.

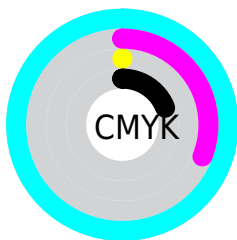
Distribution



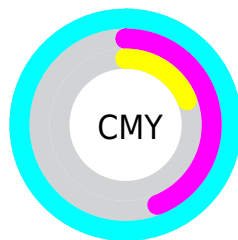
- Red (1%)
- Green (56%)
- Blue (81%)



- Red (1%)
- Yellow (33%)
- Blue (81%)



- Cyan (99%)
- Magenta (31%)
- Yellow (0%)
- Black (19%)



- Cyan (99%)
- Magenta (44%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8386, 23.8151, 61.8910 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 20.8386, 23.8151, 61.8910 by changing the saturation by 10% instead.

■ 20.8386, 23.8151,
61.8910

■ 20.8386, 23.8151,
61.8910

249.1675,
271.8844, 449.5301

■ 13.1179, 15.1965,
44.5094

■ 44.3121, 49.7283,
109.1380

■ 7.5873, 8.9574,
30.7311

■ 60.7955, 67.7917,
139.8406

■ 3.8816, 4.7134,
20.1374

■ 80.9306, 89.7722,
175.8205

■ 1.6354, 2.0801,
12.3099

■ 105.0826,
116.0541, 217.4964

■ 0.4153, 0.6534,
6.8300

■ 133.6169,
147.0219, 265.2867

■ 0.0000, 0.0000,
3.2792

166.8990,

■ 0.0000, 0.0000,

183.0599, 319.6101

1.2389

205.2940,
224.5526, 380.8850

■ 0.0000, 0.0000,
0.0109

■ 0.0000, 0.0000,
0.0000

■ 20.8386, 23.8151,
61.8910

■ 20.8386, 23.8151,
61.8910

■ 20.7186, 23.6120,
61.8586

■ 22.1491, 25.9604,
62.2365

■ 23.8570, 28.3945,
62.6163

■ 26.0590, 31.1688,
63.0358

■ 28.8135, 34.3147,
63.4978

■ 32.1704, 37.8592,
64.0050

■ 36.1735, 41.8261,
64.5598

■ 40.8624, 46.2371,
65.1640

■ 46.2733, 51.1120,
65.8198

■ 52.4398, 56.4692,
66.5288

Harmonies

Analogous

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



17.0107, 23.8151, 51.5434



20.8386, 23.8151, 61.8910



25.7368, 23.8151, 60.3648

Triad

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



20.8386, 23.8151, 61.8910



32.6722, 23.8151, 18.3219



16.3403, 23.8151, 11.9733

Complementary

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



20.8386, 23.8151, 61.8910



27.4160, 17.0283, 1.9006

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.



19.7940, 23.8151, 7.9632



20.8386, 23.8151, 61.8910



29.3809, 23.8151, 10.6213

Square

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



20.8386, 23.8151, 61.8910



33.0579, 23.8151, 31.5871



24.5329, 23.8151, 7.5774



14.6723, 23.8151, 20.9932

Rectangle

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



20.8386, 23.8151, 61.8910



28.9601, 23.8151, 52.9051



24.5329, 23.8151, 7.5774



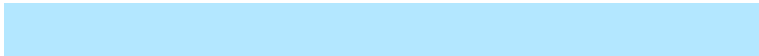
17.3061, 23.8151, 10.1573

Sweetspot

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



20.8395, 23.8159, 61.8916



65.0995, 73.8931, 105.4394



23.0009, 44.5177, 12.1174



13.2244, 15.1532, 22.4778



0.0000, 0.0000, 0.0000



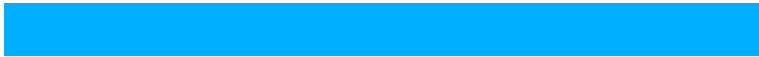
20.3446, 21.4041, 23.3091

Same Dimension

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



20.8395, 23.8159, 61.8916



33.3765, 37.8731, 100.1588



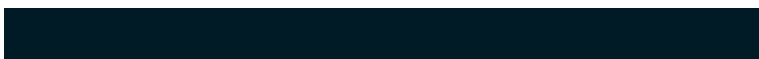
12.0243, 6.1855, 58.9532



11.2348, 12.1100, 14.3157



12.8479, 14.7197, 38.1203



0.7288, 0.8914, 1.9886

Inverse Universe

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



30.3586, 15.1194, 26.9100



48.9761, 24.3545, 42.6679



38.9581, 40.1126, 5.7480



11.5319, 11.3415, 13.3355



18.6959, 9.2890, 16.6492



0.9978, 0.4925, 1.0343

Previews

White Background



This preview shows how the XYZ color 20.8386, 23.8151, 61.8910 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 20.8386, 23.8151, 61.8910 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 20.8386, 23.8151, 61.8910

Background



This preview shows how black text looks on a background with the XYZ color 20.8386, 23.8151, 61.8910.

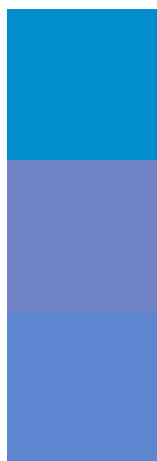


This preview shows how white text looks on a background with the XYZ color 20.8386, 23.8151,

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

20.8386, 23.8151, 61.8910

Protanopia

24.7499, 23.6433, 56.0825

Deuteranopia

24.3888, 23.7088, 62.9653



Tritanopia

16.8479, 23.6830, 36.4842

Trichromacy



Original Color

20.8386, 23.8151, 61.8910



Protanomaly

21.6878, 22.8377, 57.9086



Deuteranomaly

21.9911, 23.1054, 62.3322



Tritanomaly

18.1279, 23.6988, 44.6932

Monochromacy



Original Color

20.8386, 23.8151, 61.8910



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

14.1286, 16.6813, 28.4618

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8386, 23.8151, 61.8910 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(2, 142, 206)` looks like.

```
.text, #text, p{  
    color:rgb(2, 142, 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(2, 142, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 142, 206) }
```

Border

The CSS property to change the border of an element to XYZ 20.8386, 23.8151, 61.8910 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(2, 142, 206) }
```


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

```
.border{ border-color:rgb(2, 142, 206) }
```

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

Here you see how a box with a 4 pixel rgb(2, 142, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 142, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 142, 206);  
box-shadow:4px 4px 4px 4px rgb(2, 142,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8386, 23.8151, 61.8910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 142, 206) }
```

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

```
.background{ background-color: rgb(2, 142,  
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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