

Converting Colors

XYZ(20.8492, 23.8178, 60.6256)

Have a look what the booklet for
XYZ(20.8492, 23.8178, 60.6256)
contains.

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Color

**XYZ(20.8606, 23.8544,
60.6316)**

Conversions

Conversions Part 1

Format	Color
Hex	148ECC
RGB	20, 142, 204
RGB Percent	8%, 56%, 80%
CMY	0.9215, 0.4431, 0.2000
CMYK	0.90, 0.30, 0.00, 0.20
HSL	200°, 82%, 44%
HSV	200°, 90%, 80%
XYZ	20.8606, 23.8544, 60.6316
YIQ	112.5900, -92.6140, -6.5820

Conversions

Conversions Part 2

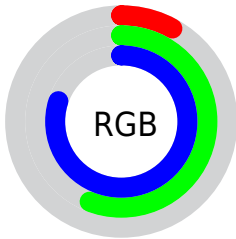
Format	Color
R_{YB}	20, 93, 204
Decimal	1347276
CIE _{Lab}	55.94, -8.49, -40.50
CIE _{LCh}	56, 41.385, 258.158
Y _{xy}	23.8544, 0.1980, 0.2264
Android (android.graphics.Color)	4279537356 (0xFF148ECC)
YUV	112.5900, 45.0651, -81.2014
Hunter-Lab	48.8410, -9.2321, -39.4144

Details

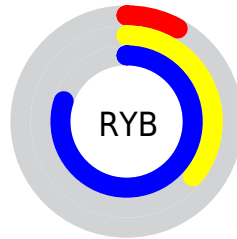
The XYZ color **20.8606, 23.8544, 60.6316** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **28.0480, 18.9269, 2.8381**, and the grayscale version is **15.4683, 16.2739, 17.7223**.

A 20% lighter version of the original color is **43.1586, 49.1338, 101.8168**, and **9.2520, 9.8242, 29.8424** is the 20% darker color. If you saturate the color by 10%, you get **19.5983, 21.7580, 60.2940**, and if you desaturate by 10%, it is **22.5189, 26.2753, 61.0120**.

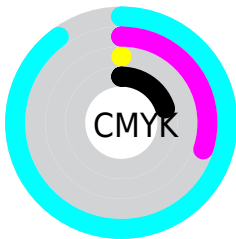
Distribution



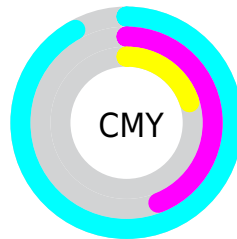
- Red (8%)
- Green (56%)
- Blue (80%)



- Red (8%)
- Yellow (36%)
- Blue (80%)



- Cyan (90%)
- Magenta (30%)
- Yellow (0%)
- Black (20%)



- Cyan (92%)
- Magenta (44%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8606, 23.8544, 60.6316 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 20.8606, 23.8544, 60.6316 by changing the saturation by 10% instead.

■ 20.8606, 23.8544,
60.6316

■ 20.8606, 23.8544,
60.6316

249.2825,
272.0835, 444.7910

■ 13.1340, 15.2256,
43.4993

■ 44.3484, 49.7925,
107.2977

■ 7.5985, 8.9779,
29.9428

■ 60.8404, 67.8706,
137.6685

■ 3.8888, 4.7268,
19.5435

■ 80.9849, 89.8674,
173.2893

■ 1.6394, 2.0879,
11.8829

■ 105.1473,
116.1671, 214.5785

■ 0.4179, 0.6578,
6.5424

■ 133.6929,
147.1541, 261.9548

■ 0.0000, 0.0000,
3.1035

166.9870,

■ 0.0000, 0.0000,

183.2130, 315.8366

1.1477

205.3951,
224.7280, 376.6425

■ 0.0000, 0.0000,
0.0000

■ 20.8606, 23.8544,
60.6316

■ 20.8606, 23.8544,
60.6316

■ 19.5983, 21.7580,
60.2940

■ 22.5189, 26.2753,
61.0120

■ 24.6599, 29.0399,
61.4328

■ 27.3431, 32.1810,
61.8976

■ 30.6181, 35.7256,
62.4092

■ 34.5285, 39.6977,
62.9698

■ 39.1136, 44.1191,
63.5815

■ 44.4092, 49.0096,
64.2464

■ 50.4486, 54.3879,
64.9662

■ 57.2629, 60.2714,
65.7427

Harmonies

Analogous

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



17.1404, 23.8544, 50.5549



20.8606, 23.8544, 60.6316



25.6212, 23.8544, 59.3362

Triad

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



20.8606, 23.8544, 60.6316



32.4387, 23.8544, 18.6845



16.5602, 23.8544, 12.2043

Complementary

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



20.8606, 23.8544, 60.6316



28.0480, 18.9269, 2.8381

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.



19.9599, 23.8544, 8.2742



20.8606, 23.8544, 60.6316



29.2836, 23.8544, 11.0205

Square

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



20.8606, 23.8544, 60.6316



32.7685, 23.8544, 31.6820



24.5872, 23.8544, 7.9331



14.8983, 23.8544, 20.9953

Rectangle

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



20.8606, 23.8544, 60.6316



28.7566, 23.8544, 52.2480



24.5872, 23.8544, 7.9331



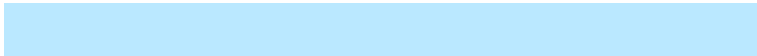
17.5141, 23.8544, 10.4250

Sweetspot

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



20.8615, 23.8552, 60.6322



67.1358, 75.2771, 105.5992



23.3806, 43.9345, 15.1020



13.7552, 15.5356, 22.5236



0.0000, 0.0000, 0.0000



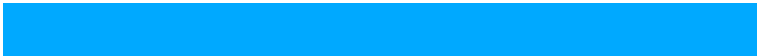
20.3446, 21.4041, 23.3091

Same Dimension

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



20.8615, 23.8552, 60.6322



32.2499, 35.6198, 99.7833



12.3586, 6.8494, 57.7979



11.2125, 12.0654, 14.3083



12.4243, 13.8725, 37.9791



0.7093, 0.8523, 1.9821

Inverse Universe

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



30.0353, 15.2918, 26.9604



48.4075, 24.1270, 39.6734



40.0372, 42.9053, 6.8345



11.5206, 11.3370, 13.2761



18.4821, 9.2034, 15.5233



0.9880, 0.4886, 0.9824

Previews

White Background



This preview shows how the XYZ color 20.8606, 23.8544, 60.6316 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 20.8606, 23.8544, 60.6316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

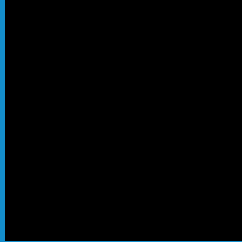
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.8606, 23.8544, 60.6316

Background



This preview shows how black text looks on a background with the XYZ color 20.8606, 23.8544, 60.6316.

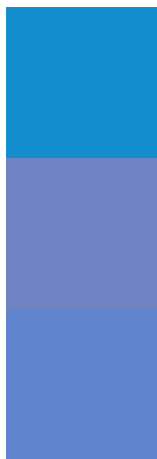


This preview shows how white text looks on a background with the XYZ color 20.8606, 23.8544,

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

20.8606, 23.8544, 60.6316

Protanopia

24.6487, 23.6175, 54.8893

Deuteranopia

24.3520, 23.7181, 61.6871



Tritanopia

16.8479, 23.6830, 36.4842

Trichromacy



Original Color

20.8606, 23.8544, 60.6316

Protanomaly

22.0815, 23.0674, 56.7147

Deuteranomaly

22.2075, 23.2450, 61.0739

Tritanomaly

18.1044, 23.6981, 44.1774

Monochromacy



Original Color

20.8606, 23.8544, 60.6316

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.6204, 18.1529, 29.8747

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8606, 23.8544, 60.6316 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(20, 142, 204)` looks like.

```
.text, #text, p{  
    color:rgb(20, 142, 204)  
}
```

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(20, 142, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 142, 204) }
```

Border

The CSS property to change the border of an element to XYZ 20.8606, 23.8544, 60.6316 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(20, 142, 204) }
```


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

```
.border{ border-color:rgb(20, 142, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 142, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 142, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 142, 204);  
box-shadow:4px 4px 4px 4px rgb(20, 142,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8606, 23.8544, 60.6316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 142, 204) }
```

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

```
.background{ background-color: rgb(20, 142,  
204) }
```

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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