

Converting Colors

XYZ(20.3473, 20.1332, 63.0834)

Have a look what the booklet for
XYZ(20.3473, 20.1332, 63.0834)
contains.

XYZ(20.3104, 20.0276, 63.1168)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.3104, 20.0276,
63.1168)**

Conversions

Conversions Part 1

Format	Color
Hex	357DD1
RGB	53, 125, 209
RGB Percent	21%, 49%, 82%
CMY	0.7921, 0.5098, 0.1804
CMYK	0.75, 0.40, 0.00, 0.18
HSL	212°, 63%, 51%
HSV	212°, 75%, 82%
XYZ	20.3104, 20.0276, 63.1168
YIQ	113.0480, -69.8760, 10.8600

Conversions

Conversions Part 2

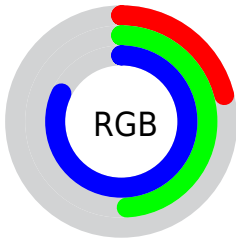
Format	Color
R_{YB}	53, 102, 209
Decimal	3505617
CIE _{Lab}	51.87, 6.39, -49.75
CIE _{LCh}	52, 50.154, 277.319
Yxy	20.0276, 0.1963, 0.1936
Android (android.graphics.Color)	4281695697 (0xFF357DD1)
YUV	113.0480, 47.3043, -52.6621
Hunter-Lab	44.7522, 2.6943, -52.2938

Details

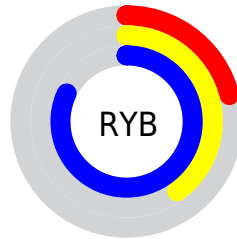
The XYZ color **20.3104, 20.0276, 63.1168** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark muted azure. A complement of this color would be **35.8845, 31.7065, 7.5980**, and the grayscale version is **15.5904, 16.4023, 17.8622**.

A 20% lighter version of the original color is **41.5179, 42.6574, 100.6532**, and **8.4866, 7.6408, 31.5994** is the 20% darker color. If you saturate the color by 10%, you get **18.0966, 16.8899, 62.6283**, and if you desaturate by 10%, it is **23.1661, 23.7362, 63.6826**.

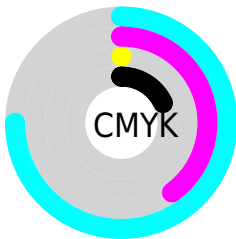
Distribution



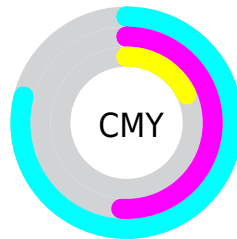
- Red (21%)
- Green (49%)
- Blue (82%)



- Red (21%)
- Yellow (40%)
- Blue (82%)



- Cyan (75%)
- Magenta (40%)
- Yellow (0%)
- Black (18%)



- Cyan (79%)
- Magenta (51%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3104, 20.0276, 63.1168 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 20.3104, 20.0276, 63.1168 by changing the saturation by 10% instead.

■ 20.3104, 20.0276,
63.1168

■ 20.3104, 20.0276,
63.1168

246.3922,
252.0645, 454.1129

■ 12.7304, 12.4151,
45.4941

■ 43.4370, 43.4635,
110.9252

■ 7.3189, 7.0270,
31.5010

■ 59.7143, 60.0556,
141.9480

■ 3.7104, 3.4790,
20.7190

■ 79.6215, 80.4098,
178.2745

■ 1.5397, 1.3866,
12.7295

■ 103.5238,
104.9103, 220.3234

■ 0.3526, 0.2068,
7.1140

■ 131.7867,
133.9417, 268.5131

■ 0.0000, 0.0000,
3.4540

164.7755,

■ 0.0000, 0.0000,

167.8882, 323.2623

1.3309

202.8556,
207.1344, 384.9893

■ 0.0000, 0.0000,
0.0869

■ 0.0000, 0.0000,
0.0000

■ 20.3104, 20.0276,
63.1168

■ 20.3104, 20.0276,
63.1168

■ 18.0966, 16.8899,
62.6283

■ 23.1661, 23.7362,
63.6826

■ 16.4494, 14.2759,
62.2106

■ 26.7216, 28.0527,
64.3283

■ 15.7333, 13.0527,
62.0122

■ 31.0304, 33.0121,
65.0585

■ 36.1398, 38.6456,
65.8766

■ 42.0927, 44.9822,
66.7859

■ 48.9289, 52.0487,
67.7896

■ 56.6856, 59.8706,
68.8905

■ 65.3976, 68.4718,
70.0916

■ 75.0978, 77.8751,
71.3953

Harmonies

Analogous

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



15.5044, 20.0276, 59.2583



20.3104, 20.0276, 63.1168



25.6097, 20.0276, 52.5706

Triad

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



20.3104, 20.0276, 63.1168



27.9318, 20.0276, 8.8420



11.3557, 20.0276, 12.6831

Complementary

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



20.3104, 20.0276, 63.1168



35.8845, 31.7065, 7.5980

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.



13.6955, 20.0276, 6.2447



20.3104, 20.0276, 63.1168



23.0660, 20.0276, 4.8178

Square

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



20.3104, 20.0276, 63.1168



30.4915, 20.0276, 18.4259



17.8154, 20.0276, 4.1430



10.8824, 20.0276, 25.5775

Rectangle

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



20.3104, 20.0276, 63.1168



28.5228, 20.0276, 40.7213



17.8154, 20.0276, 4.1430



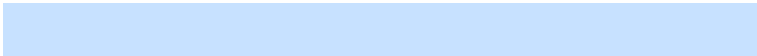
11.9268, 20.0276, 9.9000

Sweetspot

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



20.3112, 20.0282, 63.1173



68.4453, 73.0858, 105.1073



28.7279, 48.1418, 31.1472



14.0537, 15.0199, 22.4084



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.



20.3112, 20.0282, 63.1173



26.6357, 23.7779, 97.7935



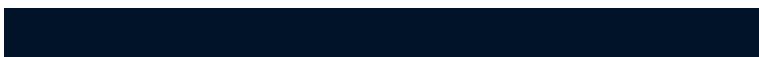
14.5394, 8.0564, 61.1107



11.6068, 12.3039, 15.0068



9.7970, 8.2407, 38.2667



0.6268, 0.6187, 2.1660

Inverse Universe

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



31.2700, 17.5832, 21.1483



45.7235, 23.6268, 23.7717



48.2908, 58.6676, 12.1482



12.0324, 11.8977, 13.4467



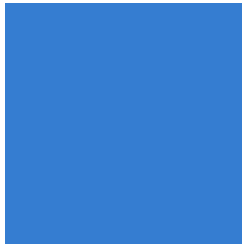
17.5758, 8.9032, 7.9384



1.0226, 0.5138, 0.6538

Previews

White Background



This preview shows how the XYZ color 20.3104, 20.0276, 63.1168 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 20.3104, 20.0276, 63.1168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

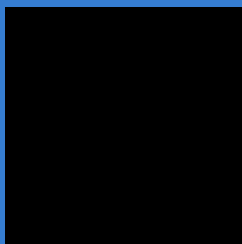
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

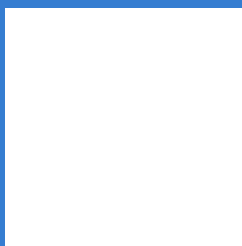
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3104, 20.0276, 63.1168

Background



This preview shows how black text looks on a background with the XYZ color 20.3104, 20.0276, 63.1168.



This preview shows how white text looks on a background with the XYZ color 20.3104, 20.0276,

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

20.3104, 20.0276, 63.1168

Protanopia

21.6401, 19.8673, 59.8210

Deuteranopia

20.5798, 19.9794, 63.0933



Tritanopia

14.2121, 19.9979, 30.7147

Trichromacy



Original Color

20.3104, 20.0276, 63.1168

Protanomaly

21.0018, 19.8712, 61.1211

Deuteranomaly

20.4036, 19.8886, 63.0851

Tritanomaly

15.9118, 19.8158, 41.0164

Monochromacy



Original Color

20.3104, 20.0276, 63.1168

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.0210, 17.0848, 30.4703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3104, 20.0276, 63.1168 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(53, 125, 209)` looks like.

```
.text, #text, p{  
    color:rgb(53, 125, 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(53, 125, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 125, 209) }
```

Border

The CSS property to change the border of an element to XYZ 20.3104, 20.0276, 63.1168 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(53, 125, 209) }
```


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

```
.border{ border-color:rgb(53, 125, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 125, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 125, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 125, 209);  
box-shadow:4px 4px 4px 4px rgb(53, 125,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3104, 20.0276, 63.1168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 125, 209) }
```

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

```
.background{ background-color: rgb(53, 125,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor