

Converting Colors

XYZ(20.9506, 21.8091, 64.0787)

Have a look what the booklet for
XYZ(20.9506, 21.8091, 64.0787)
contains.

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Color

**XYZ(21.0166, 21.9418,
64.1003)**

Conversions

Conversions Part 1

Format	Color
Hex	2B85D2
RGB	43, 133, 210
RGB Percent	17%, 52%, 82%
CMY	0.8313, 0.4784, 0.1765
CMYK	0.80, 0.37, 0.00, 0.18
HSL	208°, 66%, 50%
HSV	208°, 80%, 82%
XYZ	21.0166, 21.9418, 64.1003
YIQ	114.8680, -78.3570, 4.8670

Conversions

Conversions Part 2

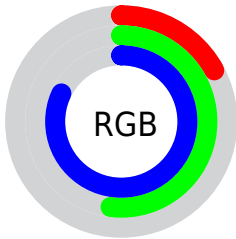
Format	Color
R_{YB}	43, 101, 210
Decimal	2852306
CIE _{Lab}	53.97, 0.78, -46.99
CIE _{LCh}	54, 46.998, 270.947
Yxy	21.9418, 0.1963, 0.2050
Android (android.graphics.Color)	4281042386 (0xFF2B85D2)
YUV	114.8680, 46.9001, -63.0282
Hunter-Lab	46.8421, -1.8862, -48.3450

Details

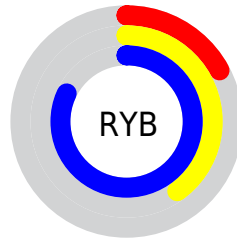
The XYZ color **21.0166, 21.9418, 64.1003** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **33.7328, 27.3121, 5.7806**, and the grayscale version is **16.1367, 16.9771, 18.4880**.

A 20% lighter version of the original color is **42.5483, 45.9152, 101.2277**, and **9.0867, 8.7072, 32.2121** is the 20% darker color. If you saturate the color by 10%, you get **19.0866, 19.0689, 63.6480**, and if you desaturate by 10%, it is **23.5233, 25.2940, 64.6157**.

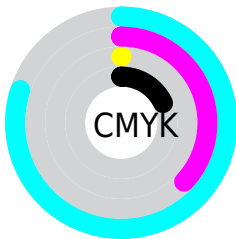
Distribution



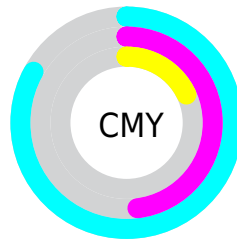
- Red (17%)
- Green (52%)
- Blue (82%)



- Red (17%)
- Yellow (40%)
- Blue (82%)



- Cyan (80%)
- Magenta (37%)
- Yellow (0%)
- Black (18%)



- Cyan (83%)
- Magenta (48%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0166, 21.9418, 64.1003 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 21.0166, 21.9418, 64.1003 by changing the saturation by 10% instead.

■ 21.0166, 21.9418,
64.1003

■ 21.0166, 21.9418,
64.1003

250.0967,
262.2422, 457.7691

■ 13.2487, 13.8141,
46.2852

■ 44.6062, 46.6498,
112.3562

■ 7.6782, 7.9915,
32.1207

■ 61.1586, 63.9989,
143.6342

■ 3.9398, 4.0895,
21.1881

■ 81.3699, 85.1906,
180.2368

■ 1.6681, 1.7238,
13.0690

■ 105.6054,
110.6094, 222.5826

■ 0.4362, 0.4390,
7.3448

■ 134.2305,
140.6395, 271.0902

■ 0.0000, 0.0000,
3.5969

167.6105,

■ 0.0000, 0.0000,

175.6654, 326.1782

1.4069

206.1108,
216.0715, 388.2650

■ 0.0000, 0.0000,
0.1471

■ 0.0000, 0.0000,
0.0000

■ 21.0166, 21.9418,
64.1003

■ 21.0166, 21.9418,
64.1003

■ 19.0866, 19.0689,
63.6480

■ 23.5233, 25.2940,
64.6157

■ 17.6218, 16.6121,
63.2510

■ 26.6685, 29.1612,
65.1964

■ 17.5568, 16.5010,
63.2329

■ 30.5077, 33.5769,
65.8463

■ 35.0893, 38.5703,
66.5687

■ 40.4570, 44.1682,
67.3663

■ 46.6508, 50.3954,
68.2418

■ 53.7079, 57.2749,
69.1977

■ 61.6630, 64.8285,
70.2364

■ 70.5488, 73.0769,
71.3602

Harmonies

Analogous

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



16.4694, 21.9418, 57.5593



21.0166, 21.9418, 64.1003



26.2817, 21.9418, 56.7338

Triad

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



21.0166, 21.9418, 64.1003



30.3848, 21.9418, 12.2159



13.4400, 21.9418, 12.7342

Complementary

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



21.0166, 21.9418, 64.1003



33.7328, 27.3121, 5.7806

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.



16.2320, 21.9418, 7.0530



21.0166, 21.9418, 64.1003



25.9573, 21.9418, 6.8503

Square

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



21.0166, 21.9418, 64.1003



32.2021, 21.9418, 23.4323



20.6943, 21.9418, 5.4346



12.5462, 21.9418, 24.3554

Rectangle

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



21.0166, 21.9418, 64.1003



29.3801, 21.9418, 46.1562



20.6943, 21.9418, 5.4346



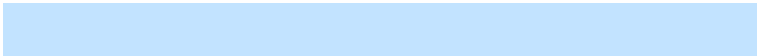
14.1626, 21.9418, 10.2628

Sweetspot

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



21.0175, 21.9425, 64.1009



67.6559, 73.4809, 105.2251



27.3230, 47.9192, 24.9979



13.7558, 14.9948, 22.4192



0.0000, 0.0000, 0.0000



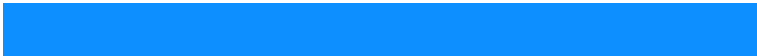
20.3446, 21.4041, 23.3091

Same Dimension

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



21.0175, 21.9425, 64.1009



28.0794, 27.0379, 98.3466



13.8295, 7.5665, 61.7049



11.6838, 12.4579, 15.0325



10.8110, 10.2686, 38.6047



0.6834, 0.7320, 2.1848

Inverse Universe

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



31.6766, 17.1239, 23.8265



46.3612, 23.5337, 28.2036



48.0537, 55.9539, 10.5542



12.0713, 11.9133, 13.6512



18.0876, 9.1079, 10.6335



1.0512, 0.5252, 0.8044

Previews

White Background



This preview shows how the XYZ color 21.0166, 21.9418, 64.1003 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 21.0166, 21.9418, 64.1003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

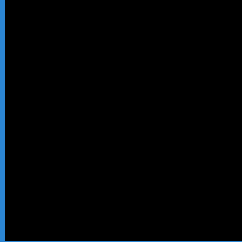
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.0166, 21.9418, 64.1003

Background



This preview shows how black text looks on a background with the XYZ color 21.0166, 21.9418, 64.1003.



This preview shows how white text looks on a background with the XYZ color 21.0166, 21.9418,

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

21.0166, 21.9418, 64.1003

Protanopia

23.3859, 21.8862, 59.4918

Deuteranopia

22.5098, 21.8995, 64.6687



Tritanopia

15.5722, 21.9448, 33.5520

Trichromacy



Original Color

21.0166, 21.9418, 64.1003

Protanomaly

22.2153, 21.8190, 61.4331

Deuteranomaly

21.7904, 21.7252, 64.6729

Tritanomaly

17.0863, 21.6314, 43.3191

Monochromacy



Original Color

21.0166, 21.9418, 64.1003

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.5844, 18.2449, 31.5017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0166, 21.9418, 64.1003 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(43, 133, 210)` looks like.

```
.text, #text, p{  
    color:rgb(43, 133, 210)  
}
```

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(43, 133, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 133, 210) }
```

Border

The CSS property to change the border of an element to XYZ 21.0166, 21.9418, 64.1003 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(43, 133, 210) }
```


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

```
.border{ border-color:rgb(43, 133, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 133, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 133, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 133, 210);  
box-shadow:4px 4px 4px 4px rgb(43, 133,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0166, 21.9418, 64.1003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 133, 210) }
```

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

```
.background{ background-color: rgb(43, 133,  
210) }
```

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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