

Converting Colors

XYZ(20.5555, 21.1240, 68.4692)

Have a look what the booklet for
XYZ(20.5555, 21.1240, 68.4692)
contains.

XYZ(20.6407, 21.2424, 68.6579)	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(20.6407, 21.2424,
68.6579)**

Conversions

Conversions Part 1

Format	Color
Hex	0083D9
RGB	0, 131, 217
RGB Percent	0%, 51%, 85%
CMY	0.9998, 0.4863, 0.1490
CMYK	1.00, 0.40, 0.00, 0.15
HSL	204°, 100%, 43%
HSV	204°, 100%, 85%
XYZ	20.6407, 21.2424, 68.6579
YIQ	101.6350, -105.6820, -1.0260

Conversions

Conversions Part 2

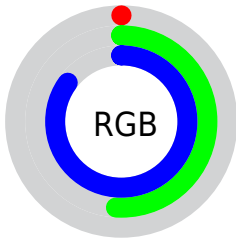
Format	Color
R _Y B	0, 82, 217
Decimal	33753
CIE Lab	53.21, 2.20, -52.17
CIE LCh	53, 52.216, 272.417
Yxy	21.2424, 0.1867, 0.1922
Android (android.graphics.Color)	4278223833 (0xFF0083D9)
YUV	101.6350, 56.8749, -89.1339
Hunter-Lab	46.0895, -0.7172, -56.0596

Details

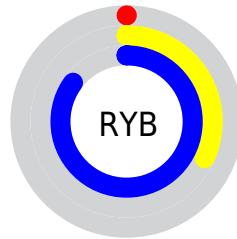
The XYZ color **20.6407, 21.2424, 68.6579** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **31.9477, 21.4159, 2.4514**, and the grayscale version is **12.4151, 13.0617, 14.2241**.

A 20% lighter version of the original color is **40.6700, 44.3258, 101.0199**, and **9.4503, 8.6078, 34.8816** is the 20% darker color. If you saturate the color by 10%, you get **20.6381, 21.2371, 68.6575**, and if you desaturate by 10%, it is **22.1701, 23.8180, 69.0749**.

Distribution



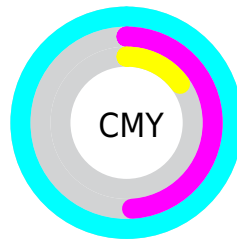
- Red (0%)
- Green (51%)
- Blue (85%)



- Red (0%)
- Yellow (32%)
- Blue (85%)



- Cyan (100%)
- Magenta (40%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (49%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6407, 21.2424, 68.6579 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 20.6407, 21.2424, 68.6579 by changing the saturation by 10% instead.

■ 20.6407, 21.2424,
68.6579

■ 20.6407, 21.2424,
68.6579

248.1308,
258.5639, 474.4847

■ 12.9726, 13.3013,
49.9631

■ 43.9846, 45.4906,
118.9559

■ 7.4865, 7.6364,
35.0131

■ 60.3911, 62.5665,
151.3962

■ 3.8172, 3.8632,
23.3894

■ 80.4410, 83.4561,
189.2555

■ 1.5993, 1.5973,
14.6733

■ 104.4999,
108.5439, 232.9522

■ 0.3919, 0.3558,
8.4463

■ 132.9329,
138.2141, 282.9050

■ 0.0000, 0.0000,
4.2900

166.1055,

■ 0.0000, 0.0000,

172.8513, 339.5323

1.7858

204.3830,
212.8398, 403.2527

■ 0.0000, 0.0000,
0.4185

■ 0.0000, 0.0000,
0.0000

■ 20.6407, 21.2424,
68.6579

■ 20.6407, 21.2424,
68.6579

■ 20.6381, 21.2371,
68.6575

■ 22.1701, 23.8180,
69.0749

■ 24.1620, 26.7775,
69.5412

■ 26.7390, 30.1876,
70.0636

■ 29.9703, 34.0871,
70.6459

■ 33.9146, 38.5092,
71.2916

■ 38.6232, 43.4834,
72.0036

■ 44.1425, 49.0363,
72.7845

■ 50.5149, 55.1928,
73.6369

■ 57.7799, 61.9757,
74.5632

Harmonies

Analogous

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



15.6686, 21.2424, 61.8262



20.6407, 21.2424, 68.6579



26.4234, 21.2424, 59.3924

Triad

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



20.6407, 21.2424, 68.6579



30.5270, 21.2424, 10.3725



12.1761, 21.2424, 11.7270

Complementary

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



20.6407, 21.2424, 68.6579



31.9477, 21.4159, 2.4514

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.



15.0236, 21.2424, 5.8006



20.6407, 21.2424, 68.6579



25.5076, 21.2424, 5.3062

Square

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



20.6407, 21.2424, 68.6579



32.7424, 21.2424, 21.8723



19.7464, 21.2424, 4.1237



11.3425, 21.2424, 24.4337

Rectangle

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



20.6407, 21.2424, 68.6579



29.8107, 21.2424, 47.0286



19.7464, 21.2424, 4.1237



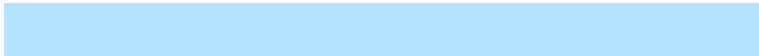
12.9004, 21.2424, 9.1139

Sweetspot

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



20.6416, 21.2430, 68.6585



63.3624, 70.4190, 104.8604



26.3834, 50.2543, 16.5369



12.8097, 14.3238, 22.3396



0.0000, 0.0000, 0.0000



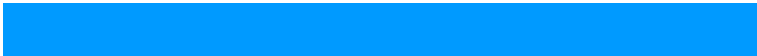
20.3446, 21.4041, 23.3091

Same Dimension

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



20.6416, 21.2430, 68.6585



29.5918, 30.3036, 98.8973



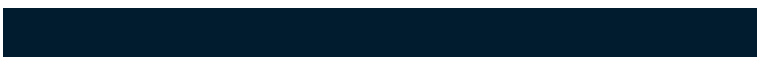
12.8806, 5.7210, 66.0715



12.9892, 13.9182, 16.6540



12.5989, 13.0673, 41.5966



0.8995, 1.0131, 2.7226

Inverse Universe

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



32.7128, 16.3917, 22.9129



47.0658, 23.5903, 32.6081



47.3974, 52.3152, 7.6013



13.3844, 13.1829, 15.2856



19.8547, 9.9429, 14.1467



1.3283, 0.6610, 1.1378

Previews

White Background



This preview shows how the XYZ color 20.6407, 21.2424, 68.6579 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 20.6407, 21.2424, 68.6579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

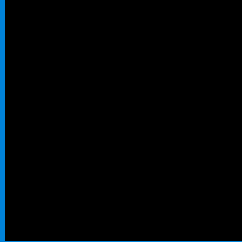
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.6407, 21.2424, 68.6579

Background



This preview shows how black text looks on a background with the XYZ color 20.6407, 21.2424, 68.6579.



This preview shows how white text looks on a background with the XYZ color 20.6407, 21.2424,

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

20.6407, 21.2424, 68.6579

Protanopia

23.1549, 21.2926, 63.8623

Deuteranopia

22.0049, 21.3411, 69.2891



Tritanopia

15.0299, 21.2518, 32.1640

Trichromacy



Original Color

20.6407, 21.2424, 68.6579

Protanomaly

21.3445, 20.8824, 65.8565

Deuteranomaly

21.2327, 21.1375, 69.2905

Tritanomaly

16.5856, 20.9473, 43.2135

Monochromacy



Original Color

20.6407, 21.2424, 68.6579

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.1191, 14.9477, 28.5793

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6407, 21.2424, 68.6579 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(0, 131, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 131, 217)  
}
```

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(0, 131, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 131, 217) }
```

Border

The CSS property to change the border of an element to XYZ 20.6407, 21.2424, 68.6579 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(0, 131, 217) }
```


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

```
.border{ border-color:rgb(0, 131, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 131, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 131, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 131, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 131,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6407, 21.2424, 68.6579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 131, 217) }
```

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

```
.background{ background-color: rgb(0, 131,  
217) }
```

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