

Converting Colors

XYZ(10.4158, 16.2011, 64.6628)

Have a look what the booklet for
XYZ(10.4158, 16.2011, 64.6628)
contains.

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Color

**XYZ(20.1349, 21.2560,
65.3289)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|------------------------------|
| Hex | 0084D4 |
| RGB | 0, 132, 212 |
| RGB Percent | 0%, 52%, 83% |
| CMY | 0.9998, 0.4823, 0.1686 |
| CMYK | 1.00, 0.38, 0.00, 0.17 |
| HSL | 203°, 100%, 42% |
| HSV | 203°, 100%, 83% |
| XYZ | 20.1349, 21.2560, 65.3289 |
| YIQ | 101.6520, -104.3520, -3.1040 |

Conversions

Conversions Part 2

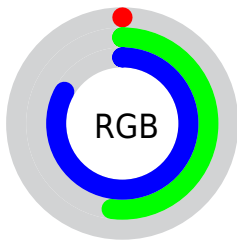
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 0, 81, 212 |
| Decimal | 34004 |
| CIE Lab | 53.23, -0.34, -49.33 |
| CIE LCh | 53, 49.327, 269.609 |
| Yxy | 21.2560, 0.1887, 0.1992 |
| Android (android.graphics.Color) | 4278224084 (0xFF0084D4) |
| YUV | 101.6520, 54.4016, -89.1488 |
| Hunter-Lab | 46.1042, -2.7269, -51.7399 |

Details

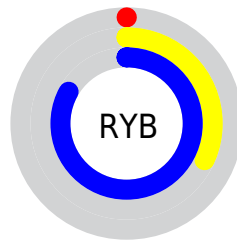
The XYZ color **20.1349, 21.2560, 65.3289** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **30.0239, 19.7415, 2.2294**, and the grayscale version is **12.4250, 13.0721, 14.2355**.

A 20% lighter version of the original color is **40.7658, 44.6846, 101.0842**, and **9.1791, 8.6208, 33.0785** is the 20% darker color. If you saturate the color by 10%, you get **20.1327, 21.2515, 65.3286**, and if you desaturate by 10%, it is **21.5768, 23.6727, 65.7198**.

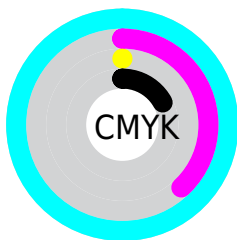
Distribution



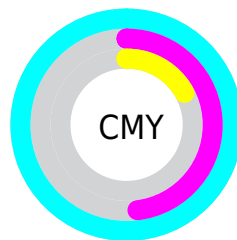
- Red (0%)
- Green (52%)
- Blue (83%)



- Red (0%)
- Yellow (32%)
- Blue (83%)



- Cyan (100%)
- Magenta (38%)
- Yellow (0%)
- Black (17%)



- Cyan (100%)
- Magenta (48%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1349, 21.2560, 65.3289 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 20.1349, 21.2560, 65.3289 by changing the saturation by 10% instead.

■ 20.1349, 21.2560,
65.3289

■ 20.1349, 21.2560,
65.3289

245.4641,
258.6359, 462.3115

■ 12.6020, 13.3113,
47.2748

■ 43.1455, 45.5132,
114.1404

■ 7.2301, 7.6432,
32.8970

■ 59.3538, 62.5945,
145.7348

■ 3.6541, 3.8675,
21.7771

■ 79.1847, 83.4900,
182.6798

■ 1.5083, 1.5997,
13.4965

■ 103.0034,
108.5842, 225.3938

■ 0.3315, 0.3574,
7.6366

■ 131.1753,
138.2615, 274.2955

■ 0.0000, 0.0000,
3.7789

164.0659,

■ 0.0000, 0.0000,

172.9063, 329.8033

1.5048

202.0404,
212.9030, 392.3358

■ 0.0000, 0.0000,
0.2215

■ 0.0000, 0.0000,
0.0000

■ 20.1349, 21.2560,
65.3289

■ 20.1349, 21.2560,
65.3289

■ 20.1327, 21.2515,
65.3286

■ 21.5768, 23.6727,
65.7198

■ 23.4476, 26.4365,
66.1547

■ 25.8648, 29.6108,
66.6400

■ 28.8932, 33.2315,
67.1793

■ 32.5877, 37.3294,
67.7755

■ 36.9967, 41.9318,
68.4315

■ 42.1638, 47.0634,
69.1497

■ 48.1287, 52.7471,
69.9323

■ 54.9283, 59.0039,
70.7817

Harmonies

Analogous

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



15.5466, 21.2560, 57.7674



20.1349, 21.2560, 65.3289



25.5688, 21.2560, 58.1285

Triad

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



20.1349, 21.2560, 65.3289



30.2259, 21.2560, 11.6648



12.7345, 21.2560, 11.4513

Complementary

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



20.1349, 21.2560, 65.3289



30.0239, 19.7415, 2.2294

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.



15.6462, 21.2560, 6.0870



20.1349, 21.2560, 65.3289



25.7076, 21.2560, 6.1677

Square

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



20.1349, 21.2560, 65.3289



31.9695, 21.2560, 23.3405



20.2716, 21.2560, 4.6750



11.7492, 21.2560, 22.9489

Rectangle

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



20.1349, 21.2560, 65.3289



28.8353, 21.2560, 47.1618



20.2716, 21.2560, 4.6750



13.4926, 21.2560, 9.0852

Sweetspot

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



20.1358, 21.2567, 65.3295



63.7556, 71.2054, 104.9915



24.9109, 47.6343, 15.0448



12.9033, 14.5111, 22.3708



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.



20.1358, 21.2567, 65.3295



30.4057, 31.9314, 99.1686



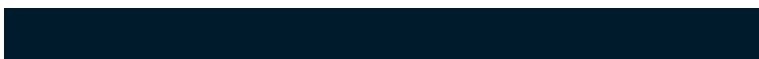
12.3069, 5.5990, 62.7199



12.3801, 13.2836, 15.8490



12.5281, 13.3179, 40.3635



0.8342, 0.9603, 2.4607

Inverse Universe

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



31.3170, 15.6642, 23.2031



47.4766, 23.7546, 34.7714



44.2384, 48.1704, 6.9676



12.7451, 12.5495, 14.5977



19.3824, 9.6893, 14.5839



1.2087, 0.6003, 1.0883

Previews

White Background



This preview shows how the XYZ color 20.1349, 21.2560, 65.3289 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 20.1349, 21.2560, 65.3289 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

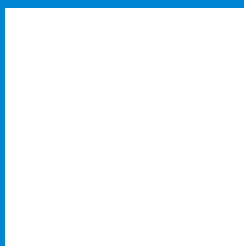
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.1349, 21.2560, 65.3289

Background



This preview shows how black text looks on a background with the XYZ color 20.1349, 21.2560, 65.3289.

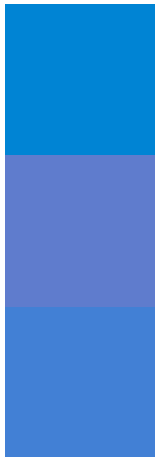


This preview shows how white text looks on a background with the XYZ color 20.1349, 21.2560,

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

20.1349, 21.2560, 65.3289

Protanopia

22.9464, 21.2560, 60.6510

Deuteranopia

21.9762, 21.4007, 65.9233



Tritanopia

15.1108, 21.2841, 32.5900

Trichromacy



Original Color

20.1349, 21.2560, 65.3289

Protanomaly

20.8380, 20.6935, 62.5705

Deuteranomaly

20.8153, 20.9969, 65.9065

Tritanomaly

16.6313, 21.1941, 42.7495

Monochromacy



Original Color

20.1349, 21.2560, 65.3289

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.9676, 14.8871, 27.7812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1349, 21.2560, 65.3289 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, 132, 212)` looks like.

```
.text, #text, p{  
    color:rgb(0, 132, 212)  
}
```

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, 132, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 132, 212) }
```

Border

The CSS property to change the border of an element to XYZ 20.1349, 21.2560, 65.3289 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, 132, 212) }
```


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

```
.border{ border-color:rgb(0, 132, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 132, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 132, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 132, 212);  
box-shadow:4px 4px 4px 4px rgb(0, 132,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1349, 21.2560, 65.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 132, 212) }
```

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

```
.background{ background-color: rgb(0, 132,  
212) }
```

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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