

Converting Colors

XYZ(20.1487, 20.8866, 65.0387)

Have a look what the booklet for
XYZ(20.1487, 20.8866, 65.0387)
contains.

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Color

**XYZ(20.1756, 20.8782,
65.2539)**

Conversions

Conversions Part 1

Format	Color
Hex	1582D4
RGB	21, 130, 212
RGB Percent	8%, 51%, 83%
CMY	0.9175, 0.4902, 0.1686
CMYK	0.90, 0.39, 0.00, 0.17
HSL	206°, 82%, 46%
HSV	206°, 90%, 83%
XYZ	20.1756, 20.8782, 65.2539
YIQ	106.7570, -91.2860, 2.3940

Conversions

Conversions Part 2

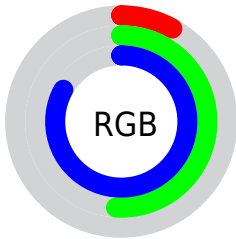
Format	Color
R_{YB}	21, 90, 212
Decimal	1409748
CIE _{Lab}	52.82, 1.64, -49.97
CIE _{LCh}	53, 50.000, 271.883
Yxy	20.8782, 0.1898, 0.1964
Android (android.graphics.Color)	4279599828 (0xFF1582D4)
YUV	106.7570, 51.8848, -75.2089
Hunter-Lab	45.6927, -1.1455, -52.6874

Details

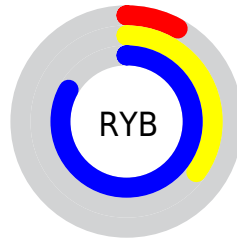
The XYZ color **20.1756, 20.8782, 65.2539** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **32.1405, 23.7580, 3.6027**, and the grayscale version is **13.7900, 14.5081, 15.7994**.

A 20% lighter version of the original color is **40.6036, 43.6792, 100.8986**, and **9.0282, 8.3192, 33.0282** is the 20% darker color. If you saturate the color by 10%, you get **18.7176, 18.4212, 64.8570**, and if you desaturate by 10%, it is **22.0958, 23.7460, 65.7067**.

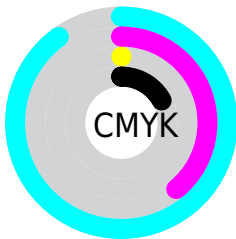
Distribution



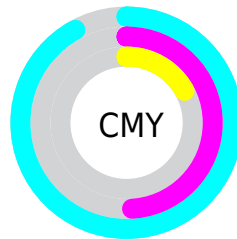
- Red (8%)
- Green (51%)
- Blue (83%)



- Red (8%)
- Yellow (35%)
- Blue (83%)



- Cyan (90%)
- Magenta (39%)
- Yellow (0%)
- Black (17%)



- Cyan (92%)
- Magenta (49%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1756, 20.8782, 65.2539 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 20.1756, 20.8782, 65.2539 by changing the saturation by 10% instead.

■ 20.1756, 20.8782,
65.2539

■ 20.1756, 20.8782,
65.2539

245.6796,
256.6305, 462.0350

■ 12.6318, 13.0350,
47.2143

■ 43.2131, 44.8847,
114.0316

■ 7.2507, 7.4527,
32.8496

■ 59.4375, 61.8169,
145.6068

■ 3.6671, 3.7468,
21.7411

■ 79.2860, 82.5474,
182.5309

■ 1.5156, 1.5329,
13.4703

■ 103.1242,
107.4608, 225.2226

■ 0.3364, 0.3117,
7.6186

■ 131.3173,
136.9414, 274.1003

■ 0.0000, 0.0000,
3.7677

164.2306,

■ 0.0000, 0.0000,

171.3736, 329.5825

1.4988

202.2296,
211.1419, 392.0879

■ 0.0000, 0.0000,
0.2170

■ 0.0000, 0.0000,
0.0000

■ 20.1756, 20.8782,
65.2539

■ 20.1756, 20.8782,
65.2539

■ 18.7176, 18.4212,
64.8570

■ 22.0958, 23.7460,
65.7067

■ 24.5837, 27.0694,
66.2171

■ 27.7062, 30.8866,
66.7893

■ 31.5190, 35.2302,
67.4267

■ 36.0714, 40.1292,
68.1324

■ 41.4078, 45.6097,
68.9090

■ 47.5686, 51.6963,
69.7591

■ 54.5917, 58.4114,
70.6851

■ 62.5121, 65.7765,
71.6892

Harmonies

Analogous

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



15.4805, 20.8782, 58.6694



20.1756, 20.8782, 65.2539



25.6304, 20.8782, 56.9109

Triad

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



20.1756, 20.8782, 65.2539



29.6431, 20.8782, 10.6811



12.2440, 20.8782, 11.7002

Complementary

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



20.1756, 20.8782, 65.2539



32.1405, 23.7580, 3.6027

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.



15.0017, 20.8782, 6.0199



20.1756, 20.8782, 65.2539



24.9591, 20.8782, 5.6389

Square

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



20.1756, 20.8782, 65.2539



31.6584, 20.8782, 21.8017



19.5163, 20.8782, 4.4083



11.4093, 20.8782, 23.6901

Rectangle

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



20.1756, 20.8782, 65.2539



28.8325, 20.8782, 45.4881



19.5163, 20.8782, 4.4083



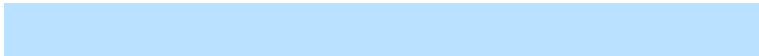
12.9498, 20.8782, 9.2071

Sweetspot

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



20.1765, 20.8788, 65.2545



65.3796, 71.7648, 105.0139



26.1831, 48.1789, 20.1293



13.3399, 14.7050, 22.3852



0.0000, 0.0000, 0.0000



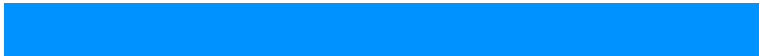
20.3446, 21.4041, 23.3091

Same Dimension

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



20.1765, 20.8788, 65.2545



28.2530, 27.6261, 98.4510



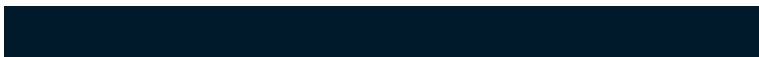
12.8535, 6.2330, 62.8135



12.3249, 13.1732, 15.8306



11.6565, 11.5747, 40.0729



0.7845, 0.8610, 2.4442

Inverse Universe

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



31.4497, 16.1464, 22.5785



46.3900, 23.3200, 29.0496



47.0467, 53.5703, 8.5714



12.7172, 12.5384, 14.4510



18.9425, 9.5133, 12.2672



1.1836, 0.5902, 0.9564

Previews

White Background



This preview shows how the XYZ color 20.1756, 20.8782, 65.2539 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 20.1756, 20.8782, 65.2539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

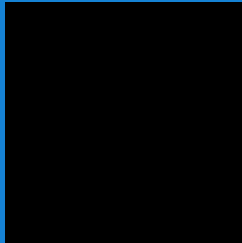
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.1756, 20.8782, 65.2539

Background



This preview shows how black text looks on a background with the XYZ color 20.1756, 20.8782, 65.2539.



This preview shows how white text looks on a background with the XYZ color 20.1756, 20.8782,

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

20.1756, 20.8782, 65.2539

Protanopia

22.5160, 20.8490, 60.5951

Deuteranopia

21.4577, 20.7499, 65.8250



Tritanopia

14.6574, 20.6352, 31.6442

Trichromacy



Original Color

20.1756, 20.8782, 65.2539

Protanomaly

21.0928, 20.6340, 62.5456

Deuteranomaly

20.7719, 20.5872, 65.8297

Tritanomaly

16.3507, 20.6385, 42.1516

Monochromacy



Original Color

20.1756, 20.8782, 65.2539

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.2221, 15.8423, 29.0964

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1756, 20.8782, 65.2539 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(21, 130, 212)` looks like.

```
.text, #text, p{  
    color:rgb(21, 130, 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(21, 130, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 130, 212) }
```

Border

The CSS property to change the border of an element to XYZ 20.1756, 20.8782, 65.2539 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(21, 130, 212) }
```


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

```
.border{ border-color:rgb(21, 130, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 130, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 130, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 130, 212);  
box-shadow:4px 4px 4px 4px rgb(21, 130,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1756, 20.8782, 65.2539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 130, 212) }
```

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

```
.background{ background-color: rgb(21, 130,  
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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