

Converting Colors

XYZ(20.5902, 21.3373, 63.4202)

Have a look what the booklet for
XYZ(20.5902, 21.3373, 63.4202)
contains.

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Color

**XYZ(20.5798, 21.3283,
63.3537)**

Conversions

Conversions Part 1

Format	Color
Hex	2A83D1
RGB	42, 131, 209
RGB Percent	16%, 51%, 82%
CMY	0.8352, 0.4863, 0.1804
CMYK	0.80, 0.37, 0.00, 0.18
HSL	208°, 67%, 49%
HSV	208°, 80%, 82%
XYZ	20.5798, 21.3283, 63.3537
YIQ	113.2810, -78.0820, 5.3900

Conversions

Conversions Part 2

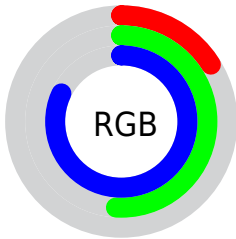
Format	Color
R_{YB}	42, 100, 209
Decimal	2786257
CIE Lab	53.31, 1.50, -47.47
CIE LCh	53, 47.497, 271.816
Yxy	21.3283, 0.1955, 0.2026
Android (android.graphics.Color)	4280976337 (0xFF2A83D1)
YUV	113.2810, 47.1895, -62.5134
Hunter-Lab	46.1826, -1.2766, -49.0068

Details

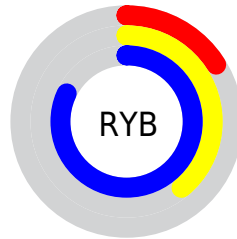
The XYZ color **20.5798, 21.3283, 63.3537** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **33.4312, 27.1593, 5.6722**, and the grayscale version is **15.6619, 16.4775, 17.9440**.

A 20% lighter version of the original color is **42.0005, 45.0117, 101.0822**, and **8.8500, 8.3677, 31.7205** is the 20% darker color. If you saturate the color by 10%, you get **18.6868, 18.4970, 62.9074**, and if you desaturate by 10%, it is **23.0433, 24.6376, 63.8631**.

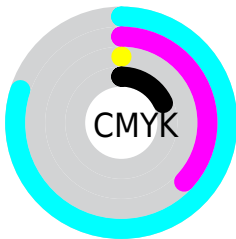
Distribution



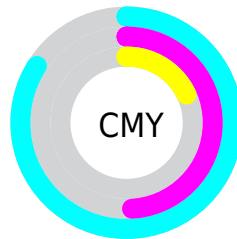
- Red (16%)
- Green (51%)
- Blue (82%)



- Red (16%)
- Yellow (39%)
- Blue (82%)



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



- Cyan (84%)
- Magenta (49%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5798, 21.3283, 63.3537 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 20.5798, 21.3283, 63.3537 by changing the saturation by 10% instead.

■ 20.5798, 21.3283,
63.3537

■ 20.5798, 21.3283,
63.3537

247.8110,
259.0181, 454.9952

■ 12.9279, 13.3642,
45.6846

■ 43.8837, 45.6333,
111.2701

■ 7.4556, 7.6798,
31.6501

■ 60.2664, 62.7429,
142.3545

■ 3.7975, 3.8908,
20.8318

■ 80.2902, 83.6699,
178.7477

■ 1.5882, 1.6126,
12.8111

■ 104.3202,
108.7986, 220.8683

■ 0.3847, 0.3661,
7.1694

■ 132.7220,
138.5133, 269.1348

■ 0.0000, 0.0000,
3.4882

165.8608,

■ 0.0000, 0.0000,

173.1986, 323.9658

1.3490

204.1020,
213.2387, 385.7797

■ 0.0000, 0.0000,
0.1014

■ 0.0000, 0.0000,
0.0000

■ 20.5798, 21.3283,
63.3537

■ 20.5798, 21.3283,
63.3537

■ 18.6868, 18.4970,
62.9074

■ 23.0433, 24.6376,
63.8631

■ 17.2479, 16.0779,
62.5164

■ 26.1389, 28.4608,
64.4379

■ 17.2342, 16.0545,
62.5126

■ 29.9220, 32.8314,
65.0821

■ 34.4407, 37.7786,
65.7989

■ 39.7384, 43.3293,
66.5910

■ 45.8549, 49.5080,
67.4613

■ 52.8272, 56.3380,
68.4121

■ 60.6898, 63.8410,
69.4459

■ 69.4752, 72.0378,
70.5650

Harmonies

Analogous

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



16.0393, 21.3283, 57.1823



20.5798, 21.3283, 63.3537



25.8087, 21.3283, 55.5973

Triad

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



20.5798, 21.3283, 63.3537



29.6485, 21.3283, 11.4694



12.8877, 21.3283, 12.4453

Complementary

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



20.5798, 21.3283, 63.3537



33.4312, 27.1593, 5.6722

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.



15.5897, 21.3283, 6.7446



20.5798, 21.3283, 63.3537



25.1904, 21.3283, 6.3671

Square

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



20.5798, 21.3283, 63.3537



31.5536, 21.3283, 22.3565



19.9671, 21.3283, 5.0845



12.0619, 21.3283, 24.1113

Rectangle

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



20.5798, 21.3283, 63.3537



28.8617, 21.3283, 44.8933



19.9671, 21.3283, 5.0845



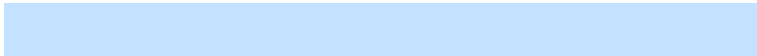
13.5818, 21.3283, 9.9657

Sweetspot

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



20.5807, 21.3290, 63.3543



67.5557, 73.2806, 105.1917



27.1428, 47.4485, 25.4788



13.7318, 14.9468, 22.4112



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.



20.5807, 21.3290, 63.3543



27.6514, 26.2333, 98.2139



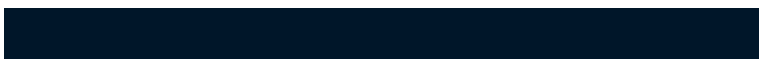
13.5041, 7.1759, 60.9954



11.6778, 12.4459, 15.0305



10.7256, 10.0979, 38.5763



0.6788, 0.7227, 2.1833

Inverse Universe

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



31.2200, 16.8512, 23.0803



46.1326, 23.3942, 27.1481



48.1716, 56.6401, 10.5857



12.0683, 11.9120, 13.6353



18.0445, 9.0907, 10.4066



1.0488, 0.5243, 0.7920

Previews

White Background



This preview shows how the XYZ color 20.5798, 21.3283, 63.3537 looks on a white background.

Color Contrast Check

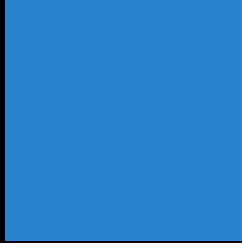
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5798, 21.3283, 63.3537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

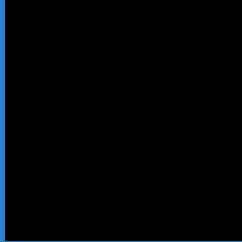
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.5798, 21.3283, 63.3537

Background



This preview shows how black text looks on a background with the XYZ color 20.5798, 21.3283, 63.3537.



This preview shows how white text looks on a background with the XYZ color 20.5798, 21.3283,

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

20.5798, 21.3283, 63.3537

Protanopia

22.8110, 21.2139, 59.3923

Deuteranopia

21.8947, 21.2096, 63.9127



Tritanopia

15.1108, 21.2841, 32.5900

Trichromacy



Original Color

20.5798, 21.3283, 63.3537

Protanomaly

21.5893, 21.1230, 60.6969

Deuteranomaly

21.2765, 21.0836, 63.9209

Tritanomaly

16.5891, 20.9714, 42.2033

Monochromacy



Original Color

20.5798, 21.3283, 63.3537

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.9922, 17.5973, 30.5707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5798, 21.3283, 63.3537 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(42, 131, 209)` looks like.

```
.text, #text, p{  
    color:rgb(42, 131, 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(42, 131, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 131, 209) }
```

Border

The CSS property to change the border of an element to XYZ 20.5798, 21.3283, 63.3537 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(42, 131, 209) }
```


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

```
.border{ border-color:rgb(42, 131, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 131, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 131, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 131, 209);  
box-shadow:4px 4px 4px 4px rgb(42, 131,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5798, 21.3283, 63.3537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 131, 209) }
```

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

```
.background{ background-color: rgb(42, 131,  
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](#).

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