

Converting Colors

XYZ(18.6712, 22.2520, 52.7456)

Have a look what the booklet for
XYZ(18.6712, 22.2520, 52.7456)
contains.

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Color

**XYZ(18.6366, 22.2268,
52.5982)**

Conversions

Conversions Part 1

Format	Color
Hex	008BBF
RGB	0, 139, 191
RGB Percent	0%, 55%, 75%
CMY	0.9998, 0.4549, 0.2510
CMYK	1.00, 0.27, 0.00, 0.25
HSL	196°, 100%, 37%
HSV	196°, 100%, 75%
XYZ	18.6366, 22.2268, 52.5982
YIQ	103.3670, -99.5360, -13.2960

Conversions

Conversions Part 2

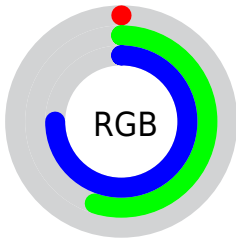
Format	Color
RYB	0, 80, 191
Decimal	35775
CIELab	54.27, -12.40, -35.78
CIELCh	54, 37.865, 250.890
Yxy	22.2268, 0.1994, 0.2378
Android (android.graphics.Color)	4278225855 (0xFF008BBF)
YUV	103.3670, 43.2031, -90.6529
Hunter-Lab	47.1453, -11.9430, -33.1458

Details

The XYZ color **18.6366, 22.2268, 52.5982** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **22.7161, 13.5362, 1.4167**, and the grayscale version is **12.9008, 13.5726, 14.7806**.

A 20% lighter version of the original color is **40.6168, 46.9634, 95.7310**, and **8.0877, 8.9509, 24.9683** is the 20% darker color. If you saturate the color by 10%, you get **18.6352, 22.2240, 52.5982**, and if you desaturate by 10%, it is **19.6794, 23.9094, 52.8685**.

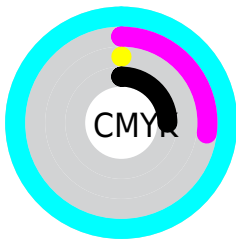
Distribution



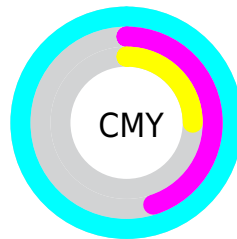
- Red (0%)
- Green (55%)
- Blue (75%)



- Red (0%)
- Yellow (31%)
- Blue (75%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (45%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6366, 22.2268, 52.5982 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 18.6366, 22.2268, 52.5982 by changing the saturation by 10% instead.

■ 18.6366, 22.2268,
52.5982

■ 18.6366, 22.2268,
52.5982

237.4120,
263.7284, 413.7641

■ 11.5104, 14.0236,
37.0966

■ 40.6408, 47.1206,
95.4484

■ 6.4811, 8.1371,
24.9859

■ 56.2495, 64.5800,
123.6341

■ 3.1832, 4.1828,
15.8476

■ 75.4164, 85.8936,
156.8849

■ 1.2514, 1.7763,
9.2632

■ 98.5069, 111.4458,
195.6193

■ 0.1463, 0.4724,
4.8141

■ 125.8864,
141.6209, 240.2559

■ 0.0000, 0.0000,
2.0818

■ 157.9202,

■ 0.0000, 0.0000,

176.8035, 291.2132

0.6049

194.9736,
217.3779, 348.9098

■ 0.0000, 0.0000,
0.0000

■ 18.6366, 22.2268,
52.5982

■ 18.6366, 22.2268,
52.5982

■ 18.6352, 22.2240,
52.5982

■ 19.6794, 23.9094,
52.8685

■ 21.0238, 25.8011,
53.1628

■ 22.7666, 27.9529,
53.4862

■ 24.9570, 30.3906,
53.8413

■ 27.6363, 33.1364,
54.2301

■ 30.8411, 36.2097,
54.6544

■ 34.6043, 39.6282,
55.1159

■ 38.9559, 43.4080,
55.6161

■ 43.9239, 47.5641,
56.1565

Harmonies

Analogous

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



15.6843, 22.2268, 42.3019



18.6366, 22.2268, 52.5982



22.6584, 22.2268, 54.0235

Triad

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



18.6366, 22.2268, 52.5982



29.9009, 22.2268, 20.1624



16.3521, 22.2268, 10.7807

Complementary

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



18.6366, 22.2268, 52.5982



22.7161, 13.5362, 1.4167

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.



19.6641, 22.2268, 8.0573



18.6366, 22.2268, 52.5982



27.6997, 22.2268, 12.1787

Square

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



18.6366, 22.2268, 52.5982



29.5319, 22.2268, 32.4164



23.8276, 22.2268, 8.4685



14.4887, 22.2268, 17.5063

Rectangle

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



18.6366, 22.2268, 52.5982



25.4603, 22.2268, 49.3646



23.8276, 22.2268, 8.4685



17.3136, 22.2268, 9.4839

Sweetspot

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



18.6374, 22.2275, 52.5988



61.6166, 70.6545, 98.6693



19.2283, 37.5010, 9.3528



12.8759, 14.9271, 21.5879



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



18.6374, 22.2275, 52.5988



33.1628, 39.3775, 94.1319



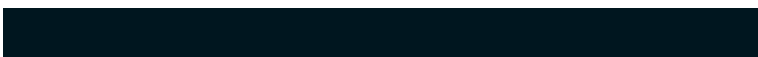
10.3277, 5.6082, 49.8289



9.5829, 10.3581, 12.1665



12.3164, 14.7446, 34.5897



0.5341, 0.6809, 1.3721

Inverse Universe

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



26.1468, 12.9415, 25.5465



46.7190, 23.1329, 45.1800



31.8337, 31.7714, 4.4559



9.8161, 9.6507, 11.4205



17.2175, 8.5182, 16.9709



0.7005, 0.3441, 0.8021

Previews

White Background



This preview shows how the XYZ color 18.6366, 22.2268, 52.5982 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 18.6366, 22.2268, 52.5982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

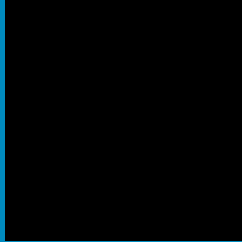
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.6366, 22.2268, 52.5982

Background



This preview shows how black text looks on a background with the XYZ color 18.6366, 22.2268, 52.5982.

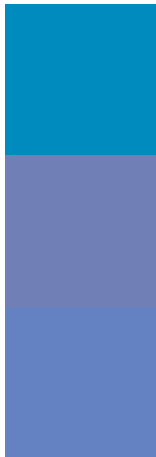


This preview shows how white text looks on a background with the XYZ color 18.6366, 22.2268,

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

18.6366, 22.2268, 52.5982

Protanopia

22.7150, 22.0009, 47.3054

Deuteranopia

22.7314, 22.2601, 53.5506



Tritanopia

15.8060, 22.2796, 34.0392

Trichromacy



Original Color

18.6366, 22.2268, 52.5982

Protanomaly

19.4718, 21.0750, 48.9405

Deuteranomaly

20.0163, 21.6708, 52.9971

Tritanomaly

16.6481, 22.1360, 39.9545

Monochromacy



Original Color

18.6366, 22.2268, 52.5982

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.8653, 15.3983, 25.2158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6366, 22.2268, 52.5982 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, 139, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 139, 191)  
}
```

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, 139, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 139, 191) }
```

Border

The CSS property to change the border of an element to XYZ 18.6366, 22.2268, 52.5982 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, 139, 191) }
```


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

```
.border{ border-color:rgb(0, 139, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 139, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 139, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 139, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 139,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6366, 22.2268, 52.5982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 139, 191) }
```

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

```
.background{ background-color: rgb(0, 139,  
191) }
```

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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