

Converting Colors

XYZ(18.2320, 19.8432, 55.3037)

Have a look what the booklet for
XYZ(18.2320, 19.8432, 55.3037)
contains.

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Color

**XYZ(18.2401, 19.9056,
55.1054)**

Conversions

Conversions Part 1

Format	Color
Hex	1A81C4
RGB	26, 129, 196
RGB Percent	10%, 51%, 77%
CMY	0.8979, 0.4941, 0.2314
CMYK	0.87, 0.34, 0.00, 0.23
HSL	204°, 77%, 44%
HSV	204°, 87%, 77%
XYZ	18.2401, 19.9056, 55.1054
YIQ	105.8410, -82.8950, -0.9990

Conversions

Conversions Part 2

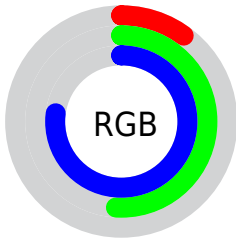
Format	Color
R_{YB}	26, 90, 196
Decimal	1737156
CIE _{Lab}	51.73, -3.54, -42.61
CIE _{LCh}	52, 42.753, 265.253
Yxy	19.9056, 0.1956, 0.2135
Android (android.graphics.Color)	4279927236 (0xFF1A81C4)
YUV	105.8410, 44.4484, -70.0206
Hunter-Lab	44.6157, -5.1018, -41.9988

Details

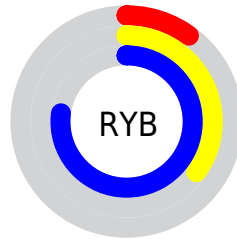
The XYZ color **18.2401, 19.9056, 55.1054** is a dark color, and the websafe version is hex **006699**. The color can be described as dark washed azure. A complement of this color would be **26.8683, 19.6433, 3.3541**, and the grayscale version is **13.5568, 14.2628, 15.5321**.

A 20% lighter version of the original color is **40.0511, 43.4313, 99.2007**, and **7.7511, 7.6903, 26.6670** is the 20% darker color. If you saturate the color by 10%, you get **16.9152, 17.7687, 54.7632**, and if you desaturate by 10%, it is **19.9806, 22.3714, 55.4900**.

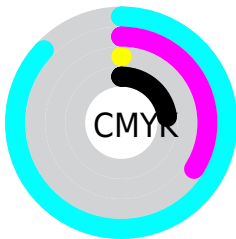
Distribution



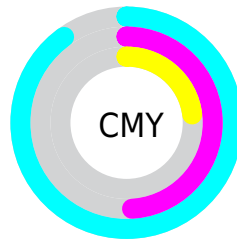
- Red (10%)
- Green (51%)
- Blue (77%)



- Red (10%)
- Yellow (35%)
- Blue (77%)



- Cyan (87%)
- Magenta (34%)
- Yellow (0%)
- Black (23%)



- Cyan (90%)
- Magenta (49%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2401, 19.9056, 55.1054 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 18.2401, 19.9056, 55.1054 by changing the saturation by 10% instead.

■ 18.2401, 19.9056,
55.1054

■ 18.2401, 19.9056,
55.1054

235.2404,
251.4036, 423.6045

■ 11.2232, 12.3264,
39.0869

■ 39.9729, 43.2589,
99.1681

■ 6.2856, 6.9664,
26.5190

■ 55.4196, 59.8018,
128.0494

■ 3.0618, 3.4411,
16.9831

■ 74.4069, 80.1013,
162.0553

■ 1.1865, 1.3661,
10.0606

■ 97.3002, 104.5420,
201.6046

■ 0.0957, 0.1916,
5.3330

■ 124.4648,
133.5082, 247.1155

■ 0.0000, 0.0000,
2.3818

156.2662,

■ 0.0000, 0.0000,

167.3843, 299.0068

0.7765

193.0696,
206.5546, 357.6970

■ 0.0000, 0.0000,
0.0000

■ 18.2401, 19.9056,
55.1054

■ 18.2401, 19.9056,
55.1054

■ 16.9152, 17.7687,
54.7632

■ 19.9806, 22.3714,
55.4900

■ 16.5302, 17.1182,
54.6579

■ 22.2006, 25.2009,
55.9192

■ 24.9514, 28.4230,
56.3961

■ 28.2763, 32.0623,
56.9234

■ 32.2139, 36.1411,
57.5031

■ 36.7991, 40.6795,
58.1374

■ 42.0643, 45.6962,
58.8282

■ 48.0392, 51.2087,
59.5774

■ 54.7520, 57.2334,
60.3864

Harmonies

Analogous

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



14.5666, 19.9056, 47.7080



18.2401, 19.9056, 55.1054



22.6919, 19.9056, 51.1198

Triad

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



18.2401, 19.9056, 55.1054



27.4770, 19.9056, 13.0218



12.8787, 19.9056, 10.7403

Complementary

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



18.2401, 19.9056, 55.1054



26.8683, 19.6433, 3.3541

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.



15.5906, 19.9056, 6.4860



18.2401, 19.9056, 55.1054



24.0636, 19.9056, 7.4079

Square

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



18.2401, 19.9056, 55.1054



28.4709, 19.9056, 23.7041



19.6159, 19.9056, 5.5534



11.7863, 19.9056, 19.7629

Rectangle

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



18.2401, 19.9056, 55.1054



25.4583, 19.9056, 43.1222



19.6159, 19.9056, 5.5534



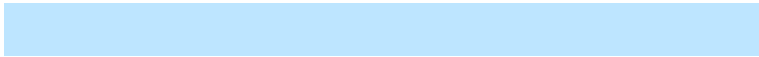
13.6090, 19.9056, 8.8637

Sweetspot

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



18.2409, 19.9062, 55.1059



66.9443, 73.9653, 105.3561



22.0629, 40.4586, 16.5851



13.6710, 15.1897, 22.4613



0.0000, 0.0000, 0.0000



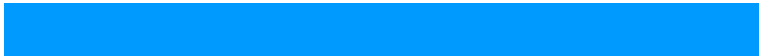
20.3446, 21.4041, 23.3091

Same Dimension

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



18.2409, 19.9062, 55.1059



29.6861, 30.4923, 98.9287



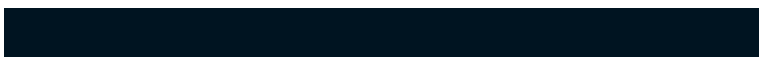
11.3618, 6.1481, 52.8129



10.0245, 10.7404, 12.8296



10.7071, 11.1708, 35.1485



0.5282, 0.6139, 1.5405

Inverse Universe

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



27.0976, 14.0607, 22.0550



47.1134, 23.6094, 32.8588



38.5106, 42.9280, 7.2349



10.3237, 10.1781, 11.7951



16.8004, 8.4099, 12.1271



0.7590, 0.3766, 0.6984

Previews

White Background



This preview shows how the XYZ color 18.2401, 19.9056, 55.1054 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 18.2401, 19.9056, 55.1054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

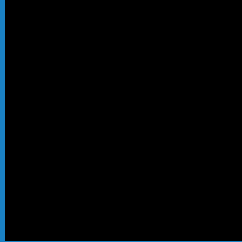
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.2401, 19.9056, 55.1054

Background



This preview shows how black text looks on a background with the XYZ color 18.2401, 19.9056, 55.1054.



This preview shows how white text looks on a background with the XYZ color 18.2401, 19.9056,

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

18.2401, 19.9056, 55.1054

Protanopia

20.8306, 19.6605, 50.2739

Deuteranopia

20.3029, 19.8168, 55.5783



Tritanopia

13.9925, 19.6836, 30.2560

Trichromacy



Original Color

18.2401, 19.9056, 55.1054

Protanomaly

19.1594, 19.3052, 52.0067

Deuteranomaly

19.2153, 19.6283, 55.5992

Tritanomaly

15.2010, 19.5135, 38.0873

Monochromacy



Original Color

18.2401, 19.9056, 55.1054

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.7381, 15.4765, 26.6893

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2401, 19.9056, 55.1054 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(26, 129, 196)` looks like.

```
.text, #text, p{  
    color:rgb(26, 129, 196)  
}
```

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(26, 129, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 129, 196) }
```

Border

The CSS property to change the border of an element to XYZ 18.2401, 19.9056, 55.1054 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(26, 129, 196) }
```


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

```
.border{ border-color:rgb(26, 129, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 129, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 129, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 129, 196);  
box-shadow:4px 4px 4px 4px rgb(26, 129,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2401, 19.9056, 55.1054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 129, 196) }
```

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

```
.background{ background-color: rgb(26, 129,  
196) }
```

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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