

Converting Colors

XYZ(18.4354, 20.4950, 56.3611)

Have a look what the booklet for
XYZ(18.4354, 20.4950, 56.3611)
contains.

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Color

**XYZ(18.4944, 20.6056,
56.4286)**

Conversions

Conversions Part 1

Format	Color
Hex	0484C6
RGB	4, 132, 198
RGB Percent	2%, 52%, 78%
CMY	0.9841, 0.4823, 0.2235
CMYK	0.98, 0.33, 0.00, 0.22
HSL	200°, 96%, 40%
HSV	200°, 98%, 78%
XYZ	18.4944, 20.6056, 56.4286
YIQ	101.2520, -97.4740, -6.6100

Conversions

Conversions Part 2

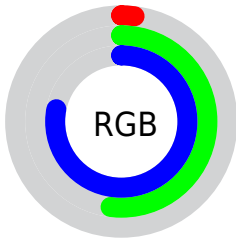
Format	Color
R _Y B	4, 81, 198
Decimal	296134
CIE Lab	52.52, -5.59, -42.52
CIE LCh	53, 42.884, 262.514
Yxy	20.6056, 0.1936, 0.2157
Android (android.graphics.Color)	4278486214 (0xFF0484C6)
YUV	101.2520, 47.6968, -85.2900
Hunter-Lab	45.3934, -6.7131, -41.9281

Details

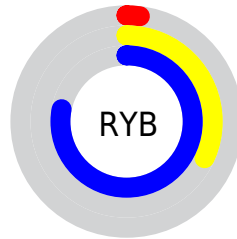
The XYZ color **18.4944, 20.6056, 56.4286** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **25.5039, 16.4004, 1.9375**, and the grayscale version is **12.3370, 12.9794, 14.1346**.

A 20% lighter version of the original color is **40.4360, 44.5146, 101.0687**, and **8.1273, 8.2001, 27.5400** is the 20% darker color. If you saturate the color by 10%, you get **18.2592, 20.2095, 56.3650**, and if you desaturate by 10%, it is **19.7610, 22.6593, 56.7587**.

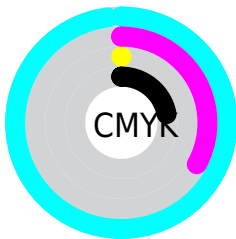
Distribution



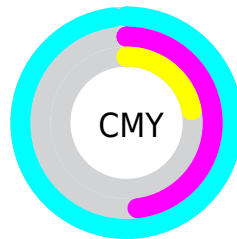
- Red (2%)
- Green (52%)
- Blue (78%)



- Red (2%)
- Yellow (32%)
- Blue (78%)



- Cyan (98%)
- Magenta (33%)
- Yellow (0%)
- Black (22%)



- Cyan (98%)
- Magenta (48%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4944, 20.6056, 56.4286 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 18.4944, 20.6056, 56.4286 by changing the saturation by 10% instead.

■ 18.4944, 20.6056,
56.4286

■ 18.4944, 20.6056,
56.4286

236.6352,
255.1750, 428.7383

■ 11.4074, 12.8360,
40.1404

■ 40.4015, 44.4302,
101.1230

■ 6.4108, 7.3157,
27.3334

■ 55.9523, 61.2540,
130.3662

■ 3.1395, 3.6603,
17.5891

■ 75.0550, 81.8647,
164.7649

■ 1.2279, 1.4854,
10.4890

■ 98.0750, 106.6467,
204.7375

■ 0.1283, 0.2784,
5.6146

■ 125.3777,
135.9843, 250.7026

■ 0.0000, 0.0000,
2.5472

■ 157.3284,

■ 0.0000, 0.0000,

170.2619, 303.0788

0.8650

194.2924,
209.8640, 362.2845

■ 0.0000, 0.0000,
0.0000

■ 18.4944, 20.6056,
56.4286

■ 18.4944, 20.6056,
56.4286

■ 18.2592, 20.2095,
56.3650

■ 19.7610, 22.6593,
56.7587

■ 21.4149, 25.0016,
57.1236

■ 23.5345, 27.6747,
57.5279

■ 26.1717, 30.7069,
57.9742

■ 29.3714, 34.1229,
58.4649

■ 33.1730, 37.9444,
59.0021

■ 37.6122, 42.1911,
59.5879

■ 42.7219, 46.8815,
60.2239

■ 48.5325, 52.0326,
60.9119

Harmonies

Analogous

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



14.8381, 20.6056, 47.9468



18.4944, 20.6056, 56.4286



23.0370, 20.6056, 53.4244

Triad

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



18.4944, 20.6056, 56.4286



28.5712, 20.6056, 14.3199



13.5650, 20.6056, 10.6092

Complementary

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



18.4944, 20.6056, 56.4286



25.5039, 16.4004, 1.9375

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.



16.4963, 20.6056, 6.5873



18.4944, 20.6056, 56.4286



25.2495, 20.6056, 8.0959

Square

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



18.4944, 20.6056, 56.4286



29.3205, 20.6056, 25.7722



20.7177, 20.6056, 5.8833



12.2853, 20.6056, 19.4009

Rectangle

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



18.4944, 20.6056, 56.4286



25.9349, 20.6056, 45.6964



20.7177, 20.6056, 5.8833



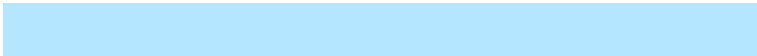
14.3666, 20.6056, 8.8147

Sweetspot

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



18.4952, 20.6063, 56.4291



65.3691, 73.5525, 105.3595



21.3096, 40.8405, 12.3407



13.2487, 15.0367, 22.4540



0.0000, 0.0000, 0.0000



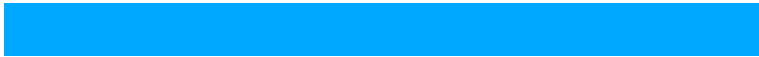
20.3446, 21.4041, 23.3091

Same Dimension

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



18.4952, 20.6063, 56.4291



32.0950, 35.3100, 99.7317



10.8859, 5.3876, 53.8927



10.6311, 11.4362, 13.5646



11.9563, 13.3065, 36.6826



0.6313, 0.7605, 1.7587

Inverse Universe

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



27.4977, 13.7596, 23.0369



48.3293, 24.0957, 39.2616



36.8882, 39.1690, 5.7323



10.9238, 10.7529, 12.5820



17.8343, 8.8833, 14.8692



0.8774, 0.4338, 0.8774

Previews

White Background



This preview shows how the XYZ color 18.4944, 20.6056, 56.4286 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 18.4944, 20.6056, 56.4286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

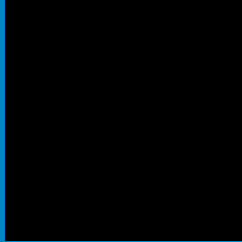
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.4944, 20.6056, 56.4286

Background



This preview shows how black text looks on a background with the XYZ color 18.4944, 20.6056, 56.4286.



This preview shows how white text looks on a background with the XYZ color 18.4944, 20.6056,

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

18.4944, 20.6056, 56.4286

Protanopia

21.6206, 20.4035, 51.5139

Deuteranopia

21.1523, 20.5867, 57.5024



Tritanopia

14.6574, 20.6352, 31.6442

Trichromacy



Original Color

18.4944, 20.6056, 56.4286

Protanomaly

19.3333, 19.9302, 53.2800

Deuteranomaly

19.4962, 20.3187, 56.9272

Tritanomaly

15.7917, 20.4048, 39.6654

Monochromacy



Original Color

18.4944, 20.6056, 56.4286

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.4849, 14.5242, 25.4380

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4944, 20.6056, 56.4286 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(4, 132, 198)` looks like.

```
.text, #text, p{  
    color:rgb(4, 132, 198)  
}
```

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(4, 132, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 132, 198) }
```

Border

The CSS property to change the border of an element to XYZ 18.4944, 20.6056, 56.4286 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(4, 132, 198) }
```


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

```
.border{ border-color:rgb(4, 132, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 132, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 132, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 132, 198);  
box-shadow:4px 4px 4px 4px rgb(4, 132,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4944, 20.6056, 56.4286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 132, 198) }
```

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

```
.background{ background-color: rgb(4, 132,  
198) }
```

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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