

Converting Colors

XYZ(20.3066, 18.4536, 37.9477)

Have a look what the booklet for
XYZ(20.3066, 18.4536, 37.9477)
contains.

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Color

**XYZ(20.3044, 18.4488,
38.0881)**

Conversions

Conversions Part 1

Format	Color
Hex	7771A5
RGB	119, 113, 165
RGB Percent	47%, 44%, 65%
CMY	0.5333, 0.5569, 0.3529
CMYK	0.28, 0.32, 0.00, 0.35
HSL	247°, 22%, 55%
HSV	247°, 32%, 65%
XYZ	20.3044, 18.4488, 38.0881
YIQ	120.7220, -13.1160, 17.4440

Conversions

Conversions Part 2

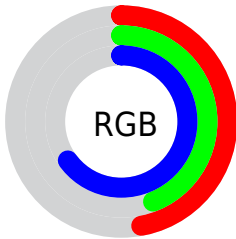
Format	Color
R_{YB}	119, 113, 165
Decimal	7827877
CIE _{Lab}	50.04, 14.26, -27.06
CIE _{LCh}	50, 30.591, 297.781
Yxy	18.4488, 0.2642, 0.2401
Android (android.graphics.Color)	4286017957 (0xFF7771A5)
YUV	120.7220, 21.8291, -1.5102
Hunter-Lab	42.9521, 9.2148, -22.5095

Details

The XYZ color **20.3044, 18.4488, 38.0881** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.7343, 35.4738, 20.8508**, and the grayscale version is **18.0197, 18.9582, 20.6455**.

A 20% lighter version of the original color is **43.3867, 40.8482, 73.3079**, and **7.3252, 6.2381, 16.4408** is the 20% darker color. If you saturate the color by 10%, you get **16.7766, 14.1418, 37.4430**, and if you desaturate by 10%, it is **24.4758, 23.5853, 38.8600**.

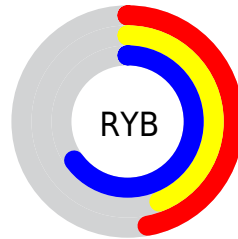
Distribution



Red (47%)

Green (44%)

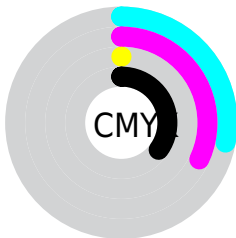
Blue (65%)



Red (47%)

Yellow (44%)

Blue (65%)

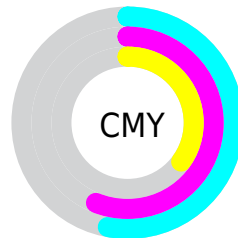


Cyan (28%)

Magenta (32%)

Yellow (0%)

Black (35%)



Cyan (53%)

Magenta (56%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3044, 18.4488, 38.0881 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 20.3044, 18.4488, 38.0881 by changing the saturation by 10% instead.

■ 20.3044, 18.4488,
38.0881

■ 20.3044, 18.4488,
38.0881

246.3606,
243.3887, 353.3073

■ 12.7261, 11.2727,
25.7487

■ 43.4270, 40.8006,
73.4481

■ 7.3159, 6.2506,
16.4117

■ 59.7020, 56.7451,
97.3057

■ 3.7085, 2.9980,
9.6584

■ 79.6065, 76.3811,
125.8399

■ 1.5386, 1.1307,
5.0704

■ 103.5060,
100.0931, 159.4691

■ 0.3519, 0.0040,
2.2292

131.7658,
128.2655, 198.6119

■ 0.0000, 0.0000,
0.6911

164.7513,

■ 0.0000, 0.0000,

161.2826, 243.6869

0.0000

202.8277,
199.5289, 295.1125

■ 20.3044, 18.4488,
38.0881

■ 20.3044, 18.4488,
38.0881

■ 16.7766, 14.1418,
37.4430

■ 24.4758, 23.5853,
38.8600

■ 13.8584, 10.6184,
36.9167

■ 29.3188, 29.5893,
39.7636

■ 11.5154, 7.8320,
36.5024

■ 34.8621, 36.4992,
40.8052

■ 9.7092, 5.7298,
36.1918

■ 41.1320, 44.3505,
41.9902

■ 8.3963, 4.2521,
35.9758

■ 48.1535, 53.1768,
43.3238

■ 7.5266, 3.3287,
35.8434

■ 55.9506, 63.0099,
44.8108

■ 7.0609, 2.8555,
35.7766

■ 64.5459, 73.8803,
46.4560

■ 73.9613, 85.8171,
48.2638

■ 82.1080, 94.6287,
49.5352

Harmonies

Analogous

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



17.3171, 18.4488, 40.9999



20.3044, 18.4488, 38.0881



22.7662, 18.4488, 30.0159

Triad

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



20.3044, 18.4488, 38.0881



20.7253, 18.4488, 9.2670



12.4706, 18.4488, 19.4673

Complementary

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



20.3044, 18.4488, 38.0881



30.7343, 35.4738, 20.8508

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.



13.1736, 18.4488, 12.6325



20.3044, 18.4488, 38.0881



17.7548, 18.4488, 7.8632

Square

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



20.3044, 18.4488, 38.0881



23.0277, 18.4488, 13.4464



15.0297, 18.4488, 8.8978



12.9936, 18.4488, 28.6191

Rectangle

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



20.3044, 18.4488, 38.0881



23.6614, 18.4488, 23.7131



15.0297, 18.4488, 8.8978



12.5695, 18.4488, 16.8519

Sweetspot

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



20.3050, 18.4495, 38.0885



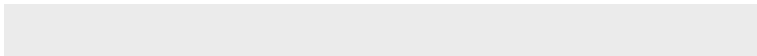
54.7251, 55.7506, 71.6290



26.1383, 31.3001, 40.2615



11.6757, 11.8294, 15.6054



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.3050, 18.4495, 38.0885



31.7128, 27.3548, 67.3609



24.2338, 20.4749, 38.2724



6.7729, 6.8973, 8.8774



5.3650, 2.1722, 27.0663



0.1337, 0.0565, 0.5697

Inverse Universe

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



27.6807, 22.3134, 35.6493



47.1470, 35.4462, 61.9932



26.2360, 33.1549, 20.6403



7.3290, 7.1880, 8.7188



15.6733, 7.6254, 21.2683



0.3386, 0.1639, 0.4958

Previews

White Background



This preview shows how the XYZ color 20.3044, 18.4488, 38.0881 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 20.3044, 18.4488, 38.0881 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 20.3044, 18.4488, 38.0881

Background



This preview shows how black text looks on a background with the XYZ color 20.3044, 18.4488, 38.0881.



This preview shows how white text looks on a background with the XYZ color 20.3044, 18.4488,

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

20.3044, 18.4488, 38.0881

Protanopia

19.0227, 18.4333, 39.6012

Deuteranopia

19.0050, 18.6405, 37.7183



Tritanopia

17.3610, 18.4627, 23.4175

Trichromacy



Original Color

20.3044, 18.4488, 38.0881

Protanomaly

19.5271, 18.5320, 39.1071

Deuteranomaly

19.3766, 18.4861, 37.6689

Tritanomaly

18.3140, 18.3204, 28.1621

Monochromacy



Original Color

20.3044, 18.4488, 38.0881

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.7395, 18.7561, 26.2995

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3044, 18.4488, 38.0881 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(119, 113, 165)` looks like.

```
.text, #text, p{  
    color:rgb(119, 113, 165)  
}
```

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(119, 113, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 113, 165) }
```

Border

The CSS property to change the border of an element to XYZ 20.3044, 18.4488, 38.0881 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(119, 113, 165) }
```


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

```
.border{ border-color:rgb(119, 113, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 113, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 113, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 113, 165);  
box-shadow:4px 4px 4px 4px rgb(119, 113,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3044, 18.4488, 38.0881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 113, 165) }
```

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

```
.background{ background-color: rgb(119,  
113, 165) }
```

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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