

Converting Colors

XYZ(18.5898, 20.8441, 44.6172)

Have a look what the booklet for
XYZ(18.5898, 20.8441, 44.6172)
contains.

XYZ(18.6413, 20.9421, 44.6547)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.6413, 20.9421,
44.6547)**

Conversions

Conversions Part 1

Format	Color
Hex	4584B1
RGB	69, 132, 177
RGB Percent	27%, 52%, 69%
CMY	0.7294, 0.4823, 0.3059
CMYK	0.61, 0.25, 0.00, 0.31
HSL	205°, 44%, 48%
HSV	205°, 61%, 69%
XYZ	18.6413, 20.9421, 44.6547
YIQ	118.2930, -51.9930, 0.6390

Conversions

Conversions Part 2

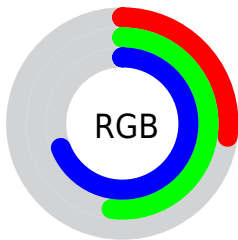
Format	Color
R _Y B	69, 109, 177
Decimal	4555953
CIE Lab	52.89, -6.42, -29.82
CIE LCh	53, 30.507, 257.851
Yxy	20.9421, 0.2213, 0.2486
Android (android.graphics.Color)	4282746033 (0xFF4584B1)
YUV	118.2930, 28.9426, -43.2300
Hunter-Lab	45.7625, -7.3727, -25.8209

Details

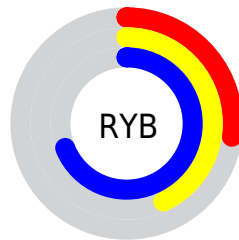
The XYZ color **18.6413, 20.9421, 44.6547** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **25.2237, 21.8124, 8.5118**, and the grayscale version is **17.2362, 18.1338, 19.7477**.

A 20% lighter version of the original color is **40.6611, 45.0167, 83.6368**, and **6.7313, 7.6417, 20.1890** is the 20% darker color. If you saturate the color by 10%, you get **16.6030, 18.4591, 44.2833**, and if you desaturate by 10%, it is **21.1262, 23.7611, 45.0683**.

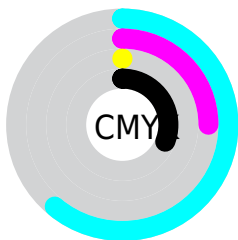
Distribution



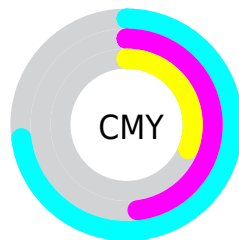
- Red (27%)
- Green (52%)
- Blue (69%)



- Red (27%)
- Yellow (43%)
- Blue (69%)



- Cyan (61%)
- Magenta (25%)
- Yellow (0%)
- Black (31%)



- Cyan (73%)
- Magenta (48%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6413, 20.9421, 44.6547 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 18.6413, 20.9421, 44.6547 by changing the saturation by 10% instead.

■ 18.6413, 20.9421,
44.6547

■ 18.6413, 20.9421,
44.6547

237.4376,
256.9706, 381.4925

■ 11.5138, 13.0817,
30.8446

■ 40.6487, 44.9912,
83.5150

■ 6.4834, 7.4848,
20.2230

■ 56.2593, 61.9486,
109.4022

■ 3.1846, 3.7671,
12.3716

■ 75.4284, 82.7071,
140.1521

■ 1.2521, 1.5442,
6.8717

■ 98.5212, 107.6512,
176.1834

■ 0.1469, 0.3195,
3.3047

■ 125.9032,
137.1652, 217.9146

■ 0.0000, 0.0000,
1.2523

157.9397,

■ 0.0000, 0.0000,

171.6335, 265.7641

0.0222

194.9961,
211.4405, 320.1506

0.0000, 0.0000,
0.0000

18.6413, 20.9421,
44.6547

18.6413, 20.9421,
44.6547

16.6030, 18.4591,
44.2833

21.1262, 23.7611,
45.0683

14.9733, 16.2891,
43.9503

24.0872, 26.9322,
45.5243

13.7106, 14.4090,
43.6540

27.5535, 30.4729,
46.0250

12.8110, 12.9246,
43.4149

31.5512, 34.3986,
46.5721

36.1045, 38.7238,
47.1669

■ 41.2361, 43.4620,
47.8110

■ 46.9674, 48.6259,
48.5057

■ 53.3184, 54.2279,
49.2522

■ 60.3084, 60.2795,
50.0519

Harmonies

Analogous

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



16.0649, 20.9421, 38.4681



18.6413, 20.9421, 44.6547



21.8454, 20.9421, 43.9504

Triad

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



18.6413, 20.9421, 44.6547



26.3346, 20.9421, 17.8291



15.6938, 20.9421, 12.9266

Complementary

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



18.6413, 20.9421, 44.6547



25.2237, 21.8124, 8.5118

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.



18.0827, 20.9421, 9.8330



18.6413, 20.9421, 44.6547



24.3125, 20.9421, 12.0985

Square

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



18.6413, 20.9421, 44.6547



26.5254, 20.9421, 26.7040



21.2242, 20.9421, 9.5771



14.4892, 20.9421, 19.3006

Rectangle

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



18.6413, 20.9421, 44.6547



23.9119, 20.9421, 39.6812



21.2242, 20.9421, 9.5771



16.3725, 20.9421, 11.5517

Sweetspot

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



18.6420, 20.9428, 44.6552



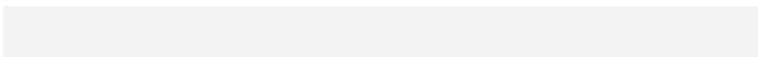
58.6141, 63.6314, 83.6881



21.2143, 33.9250, 21.3506



12.2222, 13.3282, 18.0728



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



18.6420, 20.9428, 44.6552



28.7149, 31.7435, 79.1090



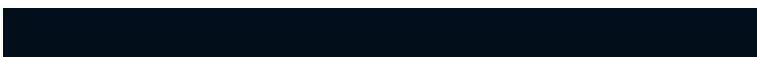
13.1152, 9.8892, 42.8129



8.4399, 9.0261, 10.8037



9.3429, 9.4863, 31.4756



0.3500, 0.4105, 1.0090

Inverse Universe

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



24.4251, 15.2701, 23.4906



40.5119, 22.7092, 35.3652



33.2088, 37.7826, 11.1735



8.6973, 8.5856, 9.9042



14.9505, 7.4978, 10.1654



0.4987, 0.2472, 0.4687

Previews

White Background



This preview shows how the XYZ color 18.6413, 20.9421, 44.6547 looks on a white background.

Color Contrast Check

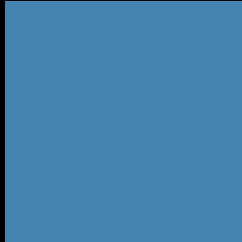
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.6413, 20.9421, 44.6547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

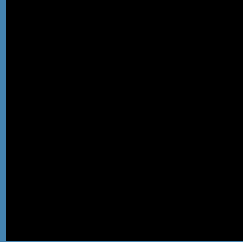
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.6413, 20.9421, 44.6547

Background



This preview shows how black text looks on a background with the XYZ color 18.6413, 20.9421, 44.6547.

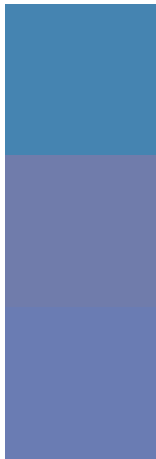


This preview shows how white text looks on a background with the XYZ color 18.6413, 20.9421,

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

18.6413, 20.9421, 44.6547

Protanopia

21.2404, 20.8003, 41.4234

Deuteranopia

21.2882, 20.7341, 45.5279



Tritanopia

15.9218, 20.8702, 31.2062

Trichromacy



Original Color

18.6413, 20.9421, 44.6547

Protanomaly

19.9561, 20.6827, 42.4755

Deuteranomaly

20.1395, 20.7203, 45.0574

Tritanomaly

16.8464, 20.8232, 35.9323

Monochromacy



Original Color

18.6413, 20.9421, 44.6547

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.9987, 18.7393, 27.1472

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6413, 20.9421, 44.6547 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(69, 132, 177)` looks like.

```
.text, #text, p{  
    color:rgb(69, 132, 177)  
}
```

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(69, 132, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 132, 177) }
```

Border

The CSS property to change the border of an element to XYZ 18.6413, 20.9421, 44.6547 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(69, 132, 177) }
```


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

```
.border{ border-color:rgb(69, 132, 177) }
```

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

Here you see how a box with a 4 pixel rgb(69, 132, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 132, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 132, 177);  
box-shadow:4px 4px 4px 4px rgb(69, 132,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6413, 20.9421, 44.6547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 132, 177) }
```

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

```
.background{ background-color: rgb(69, 132,  
177) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor