

Converting Colors

XYZ(19.3917, 19.5444, 60.6140)

Have a look what the booklet for
XYZ(19.3917, 19.5444, 60.6140)
contains.

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Color

**XYZ(19.4352, 19.6329,
60.5228)**

Conversions

Conversions Part 1

Format	Color
Hex	2D7DCD
RGB	45, 125, 205
RGB Percent	18%, 49%, 80%
CMY	0.8235, 0.5098, 0.1961
CMYK	0.78, 0.39, 0.00, 0.20
HSL	210°, 64%, 49%
HSV	210°, 78%, 80%
XYZ	19.4352, 19.6329, 60.5228
YIQ	110.2000, -73.3600, 7.9200

Conversions

Conversions Part 2

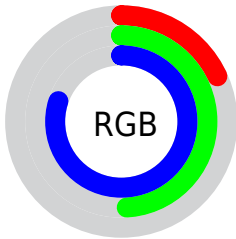
Format	Color
R _Y B	45, 98, 205
Decimal	2981325
CIE Lab	51.42, 3.97, -48.20
CIE LCh	51, 48.366, 274.705
Yxy	19.6329, 0.1952, 0.1971
Android (android.graphics.Color)	4281171405 (0xFF2D7DCD)
YUV	110.2000, 46.7364, -57.1804
Hunter-Lab	44.3090, 0.7544, -49.9694

Details

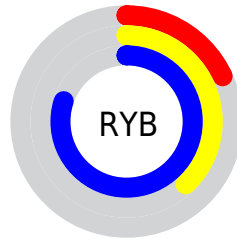
The XYZ color **19.4352, 19.6329, 60.5228** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark muted azure. A complement of this color would be **32.9859, 27.8388, 6.1187**, and the grayscale version is **14.7647, 15.5337, 16.9161**.

A 20% lighter version of the original color is **40.7116, 42.2417, 100.6155**, and **8.1589, 7.5098, 29.8737** is the 20% darker color. If you saturate the color by 10%, you get **17.5108, 16.8130, 60.0804**, and if you desaturate by 10%, it is **21.9327, 22.9475, 61.0314**.

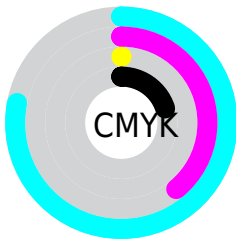
Distribution



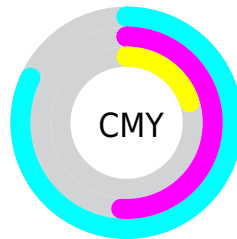
- Red (18%)
- Green (49%)
- Blue (80%)



- Red (18%)
- Yellow (38%)
- Blue (80%)



- Cyan (78%)
- Magenta (39%)
- Yellow (0%)
- Black (20%)



- Cyan (82%)
- Magenta (51%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4352, 19.6329, 60.5228 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 19.4352, 19.6329, 60.5228 by changing the saturation by 10% instead.

■ 19.4352, 19.6329,
60.5228

■ 19.4352, 19.6329,
60.5228

241.7332,
249.9208, 444.3801

■ 12.0910, 12.1285,
43.4121

■ 41.9794, 42.8009,
107.1385

■ 6.8783, 6.8312,
29.8748

■ 57.9102, 59.2332,
137.4805

■ 3.4318, 3.3568,
19.4923

■ 77.4338, 79.4103,
173.0701

■ 1.3860, 1.3207,
11.8462

■ 100.9157,
103.7165, 214.3258

■ 0.2462, 0.1572,
6.5177

■ 128.7213,
132.5363, 261.6661

■ 0.0000, 0.0000,
3.0885

161.2158,

■ 0.0000, 0.0000,

166.2540, 315.5096

1.1400

198.7646,
205.2540, 376.2747

■ 0.0000, 0.0000,
0.0000

■ 19.4352, 19.6329,
60.5228

■ 19.4352, 19.6329,
60.5228

■ 17.5108, 16.8130,
60.0804

■ 21.9327, 22.9475,
61.0314

■ 16.0705, 14.4353,
59.6973

■ 25.0607, 26.7915,
61.6085

■ 15.8196, 14.0080,
59.6281

■ 28.8715, 31.1976,
62.2581

■ 33.4106, 36.1946,
62.9834

■ 38.7194, 41.8089,
63.7872

■ 44.8360, 48.0650,
64.6724

■ 51.7958, 54.9860,
65.6415

■ 59.6318, 62.5937,
66.6969

■ 68.3755, 70.9086,
67.8410

Harmonies

Analogous

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



14.9558, 19.6329, 55.7157



19.4352, 19.6329, 60.5228



24.4838, 19.6329, 51.6725

Triad

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



19.4352, 19.6329, 60.5228



27.4159, 19.6329, 9.4994



11.4407, 19.6329, 11.8824

Complementary

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



19.4352, 19.6329, 60.5228



32.9859, 27.8388, 6.1187

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.



13.8425, 19.6329, 6.0884



19.4352, 19.6329, 60.5228



22.9313, 19.6329, 5.1893

Square

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



19.4352, 19.6329, 60.5228



29.5716, 19.6329, 19.2620



17.9066, 19.6329, 4.2867



10.8298, 19.6329, 23.6412

Rectangle

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



19.4352, 19.6329, 60.5228



27.3448, 19.6329, 40.7978



17.9066, 19.6329, 4.2867



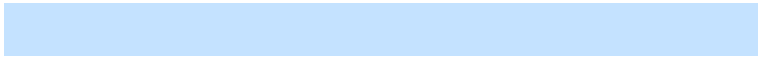
12.0422, 19.6329, 9.3689

Sweetspot

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



19.4360, 19.6335, 60.5233



68.0137, 73.2179, 105.1555



26.6162, 45.7020, 26.8226



13.7952, 14.8867, 22.3963



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.



19.4360, 19.6335, 60.5233



26.9358, 24.6919, 97.9541



13.0410, 6.8436, 58.3917



11.0574, 11.7552, 14.2566



9.9433, 8.9106, 37.1521



0.5889, 0.6115, 1.9419

Inverse Universe

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



29.8176, 16.3376, 20.9844



45.7983, 23.3635, 25.0702



47.4824, 56.8318, 10.9508



11.4423, 11.3057, 12.8639



17.2298, 8.7025, 8.9290



0.9272, 0.4643, 0.6624

Previews

White Background



This preview shows how the XYZ color 19.4352, 19.6329, 60.5228 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 19.4352, 19.6329, 60.5228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

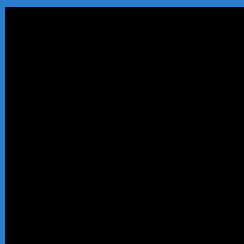
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

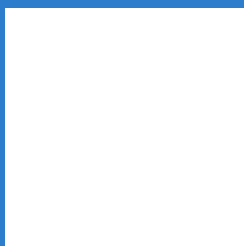
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.4352, 19.6329, 60.5228

Background



This preview shows how black text looks on a background with the XYZ color 19.4352, 19.6329, 60.5228.



This preview shows how white text looks on a background with the XYZ color 19.4352, 19.6329,

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

19.4352, 19.6329, 60.5228

Protanopia

21.2386, 19.5374, 57.2953

Deuteranopia

20.2734, 19.6789, 61.1224



Tritanopia

13.8523, 19.4033, 30.2092

Trichromacy



Original Color

19.4352, 19.6329, 60.5228

Protanomaly

20.3221, 19.3949, 58.5496

Deuteranomaly

19.9791, 19.7123, 61.1444

Tritanomaly

15.3050, 19.1328, 39.4456

Monochromacy



Original Color

19.4352, 19.6329, 60.5228

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.0793, 16.2842, 29.1365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4352, 19.6329, 60.5228 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(45, 125, 205)` looks like.

```
.text, #text, p{  
    color:rgb(45, 125, 205)  
}
```

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(45, 125, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 125, 205) }
```

Border

The CSS property to change the border of an element to XYZ 19.4352, 19.6329, 60.5228 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(45, 125, 205) }
```


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

```
.border{ border-color:rgb(45, 125, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 125, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 125, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 125, 205);  
box-shadow:4px 4px 4px 4px rgb(45, 125,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4352, 19.6329, 60.5228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 125, 205) }
```

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

```
.background{ background-color: rgb(45, 125,  
205) }
```

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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