

Converting Colors

XYZ(20.0155, 21.0588, 29.9397)

Have a look what the booklet for
XYZ(20.0155, 21.0588, 29.9397)
contains.

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Color

**XYZ(19.9027, 20.9361,
29.7801)**

Conversions

Conversions Part 1

Format	Color
Hex	747F91
RGB	116, 127, 145
RGB Percent	45%, 50%, 57%
CMY	0.5451, 0.5019, 0.4314
CMYK	0.20, 0.12, 0.00, 0.43
HSL	217°, 12%, 51%
HSV	217°, 20%, 57%
XYZ	19.9027, 20.9361, 29.7801
YIQ	125.7630, -12.3340, 3.2660

Conversions

Conversions Part 2

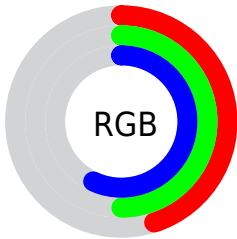
Format	Color
R_{YB}	116, 124, 145
Decimal	7634833
CIE Lab	52.88, 0.02, -11.07
CIE LCh	53, 11.065, 270.092
Yxy	20.9361, 0.2818, 0.2965
Android (android.graphics.Color)	4285824913 (0xFF747F91)
YUV	125.7630, 9.4838, -8.5622
Hunter-Lab	45.7560, -2.4300, -6.5595

Details

The XYZ color **19.9027, 20.9361, 29.7801** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **23.3548, 24.3310, 19.9890**, and the grayscale version is **19.7231, 20.7503, 22.5970**.

A 20% lighter version of the original color is **42.7785, 45.0909, 60.4816**, and **7.1047, 7.4683, 11.8935** is the 20% darker color. If you saturate the color by 10%, you get **17.0129, 17.7978, 29.3270**, and if you desaturate by 10%, it is **23.1985, 24.4389, 30.2828**.

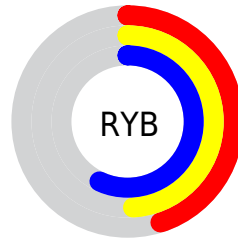
Distribution



Red (45%)

Green (50%)

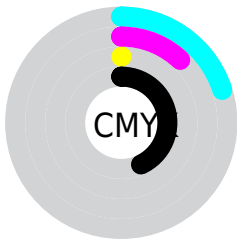
Blue (57%)



Red (45%)

Yellow (49%)

Blue (57%)

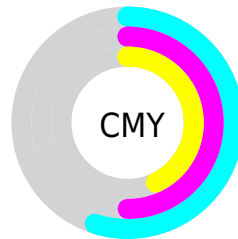


Cyan (20%)

Magenta (12%)

Yellow (0%)

Black (43%)



Cyan (55%)

Magenta (50%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9027, 20.9361, 29.7801 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 19.9027, 20.9361, 29.7801 by changing the saturation by 10% instead.

■ 19.9027, 20.9361,
29.7801

■ 19.9027, 20.9361,
29.7801

244.2315,
256.9387, 315.0534

■ 12.4322, 13.0773,
19.4211

■ 42.7592, 44.9812,
60.3711

■ 7.1130, 7.4818,
11.7951

■ 58.8759, 61.9362,
81.4403

■ 3.5798, 3.7652,
6.4834

■ 78.6053, 82.6921,
106.9165

■ 1.4673, 1.5431,
3.0677

102.3129,
107.6333, 137.2184

■ 0.3034, 0.3188,
1.1293

130.3639,
137.1442, 172.7645

■ 0.0000, 0.0000,
0.0000

163.1238,

171.6091, 213.9734

200.9579,
211.4125, 261.2635

■ 19.9027, 20.9361,
29.7801

■ 19.9027, 20.9361,
29.7801

■ 17.0129, 17.7978,
29.3270

■ 23.1985, 24.4389,
30.2828

■ 14.5106, 15.0088,
28.9206

■ 26.9139, 28.3156,
30.8353

■ 12.3786, 12.5567,
28.5596

■ 31.0645, 32.5782,
31.4393

■ 10.5974, 10.4270,
28.2424

■ 35.6642, 37.2378,
32.0963

■ 9.1460, 8.6043,
27.9671

■ 40.7264, 42.3046,
32.8074

■ 8.0006, 7.0715,
27.7316

■ 46.2638, 47.7886,
33.5741

■ 7.1337, 5.8094,
27.5337

■ 52.2889, 53.6994,
34.3975

■ 6.4775, 4.7775,
27.3691

■ 58.8133, 60.0464,
35.2787

■ 6.4774, 4.7774,
27.3691

■ 65.8487, 66.8386,
36.2189

Harmonies

Analogous

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



18.8102, 20.9361, 28.7775



19.9027, 20.9361, 29.7801



21.0357, 20.9361, 28.7655

Triad

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



19.9027, 20.9361, 29.7801



21.8870, 20.9361, 19.7479



18.0321, 20.9361, 19.7640

Complementary

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



19.9027, 20.9361, 29.7801



23.3548, 24.3310, 19.9890

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.



18.8043, 20.9361, 17.7151



19.9027, 20.9361, 29.7801



21.0293, 20.9361, 17.7065

Square

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



19.9027, 20.9361, 29.7801



22.2080, 20.9361, 22.7856



19.8956, 20.9361, 16.9991



17.7561, 20.9361, 22.8061

Rectangle

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



19.9027, 20.9361, 29.7801



21.6551, 20.9361, 27.1332



19.8956, 20.9361, 16.9991



18.2408, 20.9361, 18.9473

Sweetspot

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



19.9033, 20.9370, 29.7806



44.0315, 46.3748, 54.6041



21.6232, 25.6822, 26.3295



9.7139, 10.2315, 12.1351



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



19.9033, 20.9370, 29.7806



33.2257, 34.8851, 52.9559



19.0172, 18.4848, 29.3540



5.2868, 5.5694, 6.8251



5.5794, 4.1448, 23.4830



0.0734, 0.0798, 0.2312

Inverse Universe

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



21.7537, 20.0434, 22.8018



37.1935, 33.1082, 37.9602



24.3678, 27.2290, 20.4950



5.4882, 5.4558, 6.0691



10.6193, 5.4048, 3.6468



0.1117, 0.0557, 0.0882

Previews

White Background



This preview shows how the XYZ color 19.9027, 20.9361, 29.7801 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 19.9027, 20.9361, 29.7801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

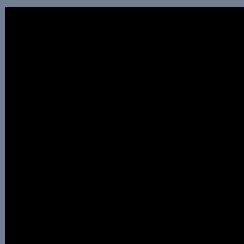
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

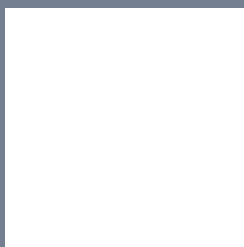
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.9027, 20.9361, 29.7801

Background



This preview shows how black text looks on a background with the XYZ color 19.9027, 20.9361, 29.7801.



This preview shows how white text looks on a background with the XYZ color 19.9027, 20.9361,

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

19.9027, 20.9361, 29.7801

Protanopia

20.5360, 20.8918, 29.3357

Deuteranopia

21.3245, 20.9084, 30.1059



Tritanopia

19.3768, 20.9182, 27.0611

Trichromacy



Original Color

19.9027, 20.9361, 29.7801

Protanomaly

20.2406, 20.9284, 29.3583

Deuteranomaly

20.7081, 20.7757, 30.1128

Tritanomaly

19.5971, 21.0063, 28.2210

Monochromacy



Original Color

19.9027, 20.9361, 29.7801

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.7205, 20.7527, 25.1566

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9027, 20.9361, 29.7801 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(116, 127, 145)` looks like.

```
.text, #text, p{  
    color:rgb(116, 127, 145)  
}
```

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(116, 127, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 127, 145) }
```

Border

The CSS property to change the border of an element to XYZ 19.9027, 20.9361, 29.7801 is called "border". The border property can be set on classes, ids or directly on the HTML element.

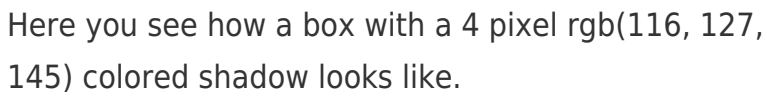
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 127, 145) }
```


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

```
.border{ border-color:rgb(116, 127, 145) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 127, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 127, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 127, 145); box-shadow:4px 4px 4px 4px rgb(116, 127, 145) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9027, 20.9361, 29.7801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 127, 145) }
```

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

```
.background{ background-color: rgb(116,  
127, 145) }
```

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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