

Converting Colors

XYZ(24.1056, 29.1520, 16.8309)

Have a look what the booklet for
XYZ(24.1056, 29.1520, 16.8309)
contains.

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Color

**XYZ(24.1060, 29.0601,
16.9090)**

Conversions

Conversions Part 1

Format	Color
Hex	899966
RGB	137, 153, 102
RGB Percent	54%, 60%, 40%
CMY	0.4627, 0.4000, 0.6000
CMYK	0.10, 0.00, 0.33, 0.40
HSL	79°, 20%, 50%
HSV	79°, 33%, 60%
XYZ	24.1060, 29.0601, 16.9090
YIQ	142.4020, 6.8350, -19.2530

Conversions

Conversions Part 2

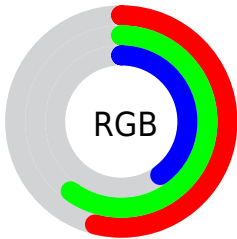
Format	Color
R_{YB}	102, 153, 118
Decimal	9017702
CIE _{Lab}	60.83, -14.69, 24.97
CIE _{LCh}	61, 28.972, 120.466
Yxy	29.0601, 0.3440, 0.4147
Android (android.graphics.Color)	4287207782 (0xFF899966)
YUV	142.4020, -19.9182, -4.7376
Hunter-Lab	53.9074, -14.5174, 19.1379

Details

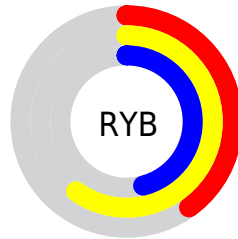
The XYZ color $[24.1060, 29.0601, 16.9090]$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $[17.9735, 15.6550, 32.2130]$, and the grayscale version is $[25.9457, 27.2969, 29.7263]$.

A 20% lighter version of the original color is $[49.5485, 58.0019, 38.7210]$, and $[9.2550, 11.7475, 5.2697]$ is the 20% darker color. If you saturate the color by 10%, you get $[22.6468, 28.3885, 13.2389]$, and if you desaturate by 10%, it is $[25.7417, 29.8083, 21.3197]$.

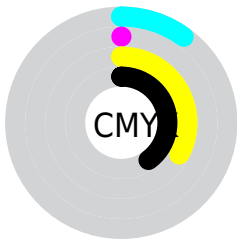
Distribution



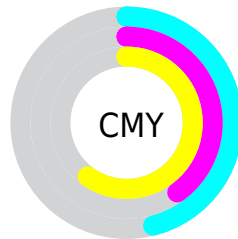
- Red (54%)
- Green (60%)
- Blue (40%)



- Red (40%)
- Yellow (60%)
- Blue (46%)



- Cyan (10%)
- Magenta (0%)
- Yellow (33%)
- Black (40%)



- Cyan (46%)
- Magenta (40%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1060, 29.0601, 16.9090 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 24.1060, 29.0601, 16.9090 by changing the saturation by 10% instead.

■ 24.1060, 29.0601,
16.9090

■ 24.1060, 29.0601,
16.9090

265.7865,
297.4984, 246.6736

■ 15.5374, 19.1263,
10.0084

■ 49.6565, 58.1726,
38.9578

■ 9.2862, 11.7616,
5.2988

■ 67.3692, 78.1200,
54.9429

■ 4.9869, 6.5815,
2.3618

■ 88.8606, 102.1741,
74.7934

■ 2.2743, 3.2018,
0.7656

■ 114.4962,
130.7193, 98.9277

■ 0.7815, 1.2380,
0.0000

144.6412,
164.1399, 127.7643

■ 0.0000, 0.0924,
0.0000

179.6610,

■ 0.0000, 0.0000,

202.8204, 161.7218

0.0000

219.9210,
247.1451, 201.2187

■ 24.1060, 29.0601,
16.9090

■ 24.1060, 29.0601,
16.9090

■ 22.6468, 28.3885,
13.2389

■ 25.7417, 29.8083,
21.3197

■ 21.3539, 27.7864,
10.2667

■ 27.5594, 30.6325,
26.5066

■ 20.2190, 27.2515,
7.9487


■ 29.5669, 31.5366,
32.5054


■ 19.2322, 26.7797,
6.2349


■ 31.7707, 32.5236,
39.3490


■ 18.3822, 26.3664,
5.0686


■ 34.1773, 33.5959,
47.0683


 17.6557, 26.0064,
4.3821

 36.7926, 34.7559,
55.6928

 17.2168, 25.7866,
4.0699

 39.6224, 36.0061,
65.2508

 42.6722, 37.3487,
75.7689

 45.9472, 38.7858,
87.2731

Harmonies

Analogous

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



27.5618, 29.0601, 15.0912



24.1060, 29.0601, 16.9090



21.7817, 29.0601, 22.4718

Triad

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



24.1060, 29.0601, 16.9090



24.1994, 29.0601, 53.3590



35.5219, 29.0601, 31.4728

Complementary

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



24.1060, 29.0601, 16.9090



17.9735, 15.6550, 32.2130

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.



34.4199, 29.0601, 43.0176



24.1060, 29.0601, 16.9090



27.6798, 29.0601, 57.2716

Square

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



24.1060, 29.0601, 16.9090



21.8321, 29.0601, 43.3778



31.4615, 29.0601, 53.1200



34.3516, 29.0601, 22.2396

Rectangle

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



24.1060, 29.0601, 16.9090



21.0711, 29.0601, 28.3262



31.4615, 29.0601, 53.1200



35.4039, 29.0601, 35.2060

Sweetspot

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



24.1067, 29.0614, 16.9096



50.4436, 55.3486, 50.6778



21.9325, 20.5251, 15.3766



11.0390, 12.1766, 10.8963



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



24.1067, 29.0614, 16.9096



41.1919, 51.1322, 25.2585



20.4980, 27.2010, 16.7407



6.5203, 7.1257, 6.6376



14.2640, 21.3293, 3.3652



0.2503, 0.3380, 0.0520

Inverse Universe

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



17.9735, 15.6550, 32.2130



28.4894, 23.3503, 56.9775



21.7953, 17.6252, 32.3918



6.0578, 6.1157, 7.7901



5.7911, 2.4365, 25.0728



0.1211, 0.0542, 0.3765

Previews

White Background



This preview shows how the XYZ color 24.1060, 29.0601, 16.9090 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 24.1060, 29.0601, 16.9090 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 24.1060, 29.0601, 16.9090

Background



This preview shows how black text looks on a background with the XYZ color 24.1060, 29.0601, 16.9090.



This preview shows how white text looks on a background with the XYZ color 24.1060, 29.0601,

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

24.1060, 29.0601, 16.9090

Protanopia

26.8291, 28.8295, 15.9550

Deuteranopia

29.3834, 28.7748, 17.3700



Tritanopia

28.1275, 29.0461, 36.4717

Trichromacy



Original Color

24.1060, 29.0601, 16.9090

Protanomaly

25.8102, 28.9943, 16.2927

Deuteranomaly

27.3220, 28.8273, 17.2209

Tritanomaly

26.4902, 29.0807, 28.2617

Monochromacy



Original Color

24.1060, 29.0601, 16.9090

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

24.9249, 27.6655, 24.1050

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1060, 29.0601, 16.9090 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(137, 153, 102)` looks like.

```
.text, #text, p{  
    color:rgb(137, 153, 102)  
}
```

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(137, 153, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 153, 102) }
```

Border

The CSS property to change the border of an element to XYZ 24.1060, 29.0601, 16.9090 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(137, 153, 102) }
```


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

```
.border{ border-color:rgb(137, 153, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 153, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 153, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 153, 102);  
box-shadow:4px 4px 4px 4px rgb(137, 153,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1060, 29.0601, 16.9090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 153, 102) }
```

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

```
.background{ background-color: rgb(137,  
153, 102) }
```

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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