

Converting Colors

XYZ(17.2368, 19.0759, 52.0066)

Have a look what the booklet for
XYZ(17.2368, 19.0759, 52.0066)
contains.

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Color

**XYZ(17.2428, 19.0689,
52.0621)**

Conversions

Conversions Part 1

Format	Color
Hex	127FBF
RGB	18, 127, 191
RGB Percent	7%, 50%, 75%
CMY	0.9293, 0.5020, 0.2510
CMYK	0.91, 0.34, 0.00, 0.25
HSL	202°, 83%, 41%
HSV	202°, 91%, 75%
XYZ	17.2428, 19.0689, 52.0621
YIQ	101.7050, -85.5080, -3.2040

Conversions

Conversions Part 2

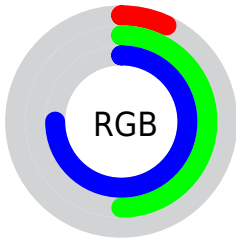
Format	Color
R_{YB}	18, 85, 191
Decimal	1212351
CIE _{Lab}	50.77, -4.74, -41.28
CIE _{LCh}	51, 41.548, 263.443
Yxy	19.0689, 0.1951, 0.2158
Android (android.graphics.Color)	4279402431 (0xFF127FBF)
YUV	101.7050, 44.0224, -73.4093
Hunter-Lab	43.6680, -5.9361, -40.1196

Details

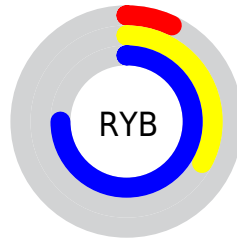
The XYZ color **17.2428, 19.0689, 52.0621** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **24.6148, 17.1589, 2.5881**, and the grayscale version is **12.4597, 13.1086, 14.2753**.

A 20% lighter version of the original color is **38.2090, 41.6702, 94.8363**, and **7.2397, 7.2549, 24.6857** is the 20% darker color. If you saturate the color by 10%, you get **16.1604, 17.2743, 51.7732**, and if you desaturate by 10%, it is **18.7061, 21.2263, 52.4018**.

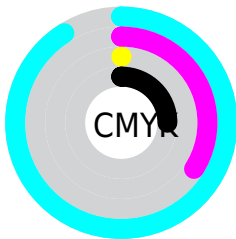
Distribution



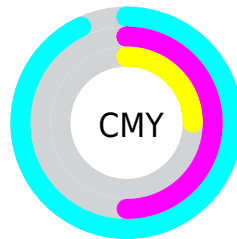
- Red (7%)
- Green (50%)
- Blue (75%)



- Red (7%)
- Yellow (33%)
- Blue (75%)



- Cyan (91%)
- Magenta (34%)
- Yellow (0%)
- Black (25%)



- Cyan (93%)
- Magenta (50%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2428, 19.0689, 52.0621 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 17.2428, 19.0689, 52.0621 by changing the saturation by 10% instead.

■ 17.2428, 19.0689,
52.0621

■ 17.2428, 19.0689,
52.0621

■ 229.6968,
246.8289, 411.6401

■ 10.5041, 11.7201,
36.6720

■ 38.2830, 41.8505,
94.6503

■ 5.7993, 6.5534,
24.6598

■ 53.3153, 58.0520,
122.6855

■ 2.7629, 3.1844,
15.6071

■ 71.8429, 77.9733,
155.7729

■ 1.0297, 1.2287,
9.0952

■ 94.2310, 101.9986,
194.3308

■ 0.0000, 0.0850,
4.7057

■ 120.8451,
130.5125, 238.7780

■ 0.0000, 0.0000,
2.0199

■ 152.0505,

■ 0.0000, 0.0000,

163.8992, 289.5329

0.5675

188.2126,
202.5432, 347.0141

■ 0.0000, 0.0000,
0.0000

■ 17.2428, 19.0689,
52.0621

■ 17.2428, 19.0689,
52.0621

■ 16.1604, 17.2743,
51.7732

■ 18.7061, 21.2263,
52.4018

■ 20.5925, 23.6986,
52.7796

■ 22.9530, 26.5140,
53.1986

■ 25.8303, 29.6963,
53.6612

■ 29.2619, 33.2667,
54.1695

■ 33.2814, 37.2441,
54.7254

■ 37.9198, 41.6461,
55.3306

■ 43.2057, 46.4892,
55.9868

■ 49.1659, 51.7887,
56.6955

Harmonies

Analogous

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



13.8395, 19.0689, 44.5626



17.2428, 19.0689, 52.0621



21.4302, 19.0689, 48.9716

Triad

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



17.2428, 19.0689, 52.0621



26.3222, 19.0689, 13.0416



12.5219, 19.0689, 10.0449

Complementary

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



17.2428, 19.0689, 52.0621



24.6148, 17.1589, 2.5881

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.



15.1774, 19.0689, 6.2132



17.2428, 19.0689, 52.0621



23.2134, 19.0689, 7.4339

Square

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



17.2428, 19.0689, 52.0621



27.0948, 19.0689, 23.4370



19.0356, 19.0689, 5.4797



11.3910, 19.0689, 18.3002

Rectangle

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



17.2428, 19.0689, 52.0621



24.0758, 19.0689, 41.7361



19.0356, 19.0689, 5.4797



13.2447, 19.0689, 8.3440

Sweetspot

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



17.2435, 19.0695, 52.0626



62.0885, 69.0915, 98.3427



20.3831, 37.9917, 14.1324



13.0345, 14.5947, 21.5154



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



17.2435, 19.0695, 52.0626



28.7027, 30.4573, 92.6452



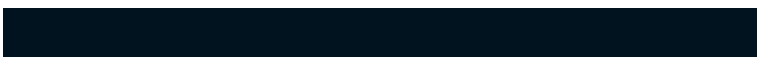
10.4501, 5.4827, 49.7981



9.5038, 10.1999, 12.1401



10.6994, 11.5105, 34.0507



0.4797, 0.5720, 1.3540

Inverse Universe

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



25.5336, 13.0423, 21.2507



44.4678, 22.2324, 33.3251



35.5866, 39.1025, 6.2454



9.7761, 9.6348, 11.2101



16.4013, 8.1917, 12.6729



0.6730, 0.3331, 0.6574

Previews

White Background



This preview shows how the XYZ color 17.2428, 19.0689, 52.0621 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 17.2428, 19.0689, 52.0621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

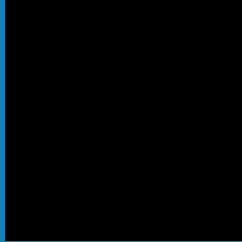
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.2428, 19.0689, 52.0621

Background



This preview shows how black text looks on a background with the XYZ color 17.2428, 19.0689, 52.0621.

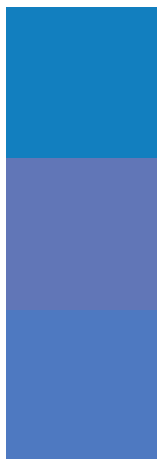


This preview shows how white text looks on a background with the XYZ color 17.2428, 19.0689,

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

17.2428, 19.0689, 52.0621

Protanopia

19.9554, 18.9172, 47.3994

Deuteranopia

19.6049, 19.1447, 53.1141



Tritanopia

13.4830, 19.0334, 28.9498

Trichromacy



Original Color

17.2428, 19.0689, 52.0621

Protanomaly

18.0842, 18.4489, 49.0622

Deuteranomaly

18.2283, 18.8124, 52.5396

Tritanomaly

14.5491, 18.8158, 36.1227

Monochromacy



Original Color

17.2428, 19.0689, 52.0621

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.5860, 14.4297, 24.6761

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2428, 19.0689, 52.0621 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(18, 127, 191)` looks like.

```
.text, #text, p{  
    color:rgb(18, 127, 191)  
}
```

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(18, 127, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 127, 191) }
```

Border

The CSS property to change the border of an element to XYZ 17.2428, 19.0689, 52.0621 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(18, 127, 191) }
```


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

```
.border{ border-color:rgb(18, 127, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 127, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 127, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 127, 191);  
box-shadow:4px 4px 4px 4px rgb(18, 127,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2428, 19.0689, 52.0621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 127, 191) }
```

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

```
.background{ background-color: rgb(18, 127,  
191) }
```

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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