

Converting Colors

XYZ(13.6097, 17.7310, 31.9458)

Have a look what the booklet for
XYZ(13.6097, 17.7310, 31.9458)
contains.

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Color

**XYZ(13.5520, 17.6073,
31.9624)**

Conversions

Conversions Part 1

Format	Color
Hex	187F97
RGB	24, 127, 151
RGB Percent	9%, 50%, 59%
CMY	0.9058, 0.5020, 0.4078
CMYK	0.84, 0.16, 0.00, 0.41
HSL	191°, 73%, 34%
HSV	191°, 84%, 59%
XYZ	13.5520, 17.6073, 31.9624
YIQ	98.9390, -69.0920, -14.3720

Conversions

Conversions Part 2

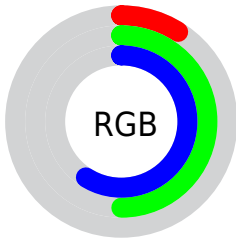
Format	Color
R_{YB}	24, 81, 151
Decimal	1605527
CIE _{Lab}	49.02, -19.03, -20.82
CIE _{LCh}	49, 28.210, 227.573
Yxy	17.6073, 0.2147, 0.2789
Android (android.graphics.Color)	4279795607 (0xFF187F97)
YUV	98.9390, 25.6661, -65.7215
Hunter-Lab	41.9611, -15.7824, -15.7894

Details

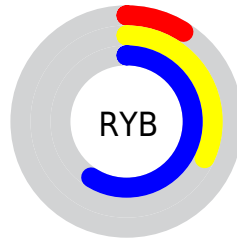
The XYZ color **13.5520, 17.6073, 31.9624** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.9851, 8.7604, 1.8187**, and the grayscale version is **11.7955, 12.4098, 13.5143**.

A 20% lighter version of the original color is **31.8549, 39.3775, 63.6793**, and **5.0246, 6.3689, 13.0211** is the 20% darker color. If you saturate the color by 10%, you get **12.9238, 16.7443, 31.8293**, and if you desaturate by 10%, it is **14.3904, 18.5948, 32.1092**.

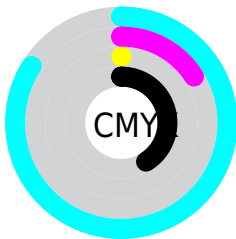
Distribution



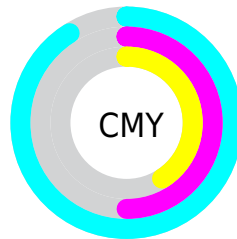
- Red (9%)
- Green (50%)
- Blue (59%)



- Red (9%)
- Yellow (32%)
- Blue (59%)



- Cyan (84%)
- Magenta (16%)
- Yellow (0%)
- Black (41%)



- Cyan (91%)
- Magenta (50%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5520, 17.6073, 31.9624 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 13.5520, 17.6073, 31.9624 by changing the saturation by 10% instead.

■ 13.5520, 17.6073,
31.9624

■ 13.5520, 17.6073,
31.9624

207.9926,
238.6482, 325.4354

■ 7.8894, 10.6684,
21.0682

■ 31.8849, 39.3670,
63.8494

■ 4.0754, 5.8443,
12.9821

■ 45.2859, 54.9567,
85.6792

■ 1.7449, 2.7507,
7.2857

■ 61.9971, 74.1987,
111.9913

■ 0.4841, 1.0030,
3.5602

■ 82.3837, 97.4775,
143.2043

■ 0.0000, 0.0000,
1.3873

■ 106.8112,
125.1774, 179.7367

■ 0.0000, 0.0000,
0.1318

■ 135.6450,

■ 0.0000, 0.0000,

157.6829, 222.0069

0.0000

169.2503,
195.3784, 270.4337

■ 13.5520, 17.6073,
31.9624

■ 13.5520, 17.6073,
31.9624

■ 12.9238, 16.7443,
31.8293

■ 14.3904, 18.5948,
32.1092

■ 12.6025, 16.2675,
31.7542

■ 15.4666, 19.7201,
32.2697

■ 16.8053, 20.9966,
32.4455

■ 18.4277, 22.4351,
32.6376

■ 20.3527, 24.0457,
32.8470

■ 22.5977, 25.8373,
33.0745

■ 25.1784, 27.8182,
33.3209

■ 28.1099, 29.9963,
33.5868

■ 31.4059, 32.3788,
33.8729

Harmonies

Analogous

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



12.3648, 17.6073, 23.8818



13.5520, 17.6073, 31.9624



15.6711, 17.6073, 37.0642

Triad

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



13.5520, 17.6073, 31.9624



22.1717, 17.6073, 22.4576



15.2552, 17.6073, 8.4188

Complementary

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



13.5520, 17.6073, 31.9624



13.9851, 8.7604, 1.8187

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.



17.8465, 17.6073, 8.2259



13.5520, 17.6073, 31.9624



22.0303, 17.6073, 15.1250

Square

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



13.5520, 17.6073, 31.9624



20.7497, 17.6073, 30.6876



20.3815, 17.6073, 10.3494



13.2751, 17.6073, 10.9708

Rectangle

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



13.5520, 17.6073, 31.9624



17.4102, 17.6073, 37.3955



20.3815, 17.6073, 10.3494



16.0779, 17.6073, 8.1054

Sweetspot

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



13.5526, 17.6079, 31.9628



39.8693, 45.8005, 59.1727



11.9628, 22.5354, 6.4399



8.7578, 10.1692, 13.4188



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.



13.5526, 17.6079, 31.9628



22.4435, 28.8811, 56.8254



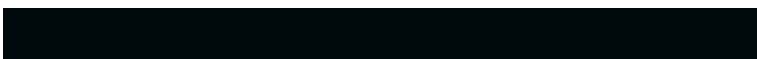
7.8092, 6.1211, 30.0484



6.2853, 6.8280, 7.9156



10.7406, 13.8779, 27.0203



0.1833, 0.2529, 0.4115

Inverse Universe

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



16.9204, 8.7656, 20.8794



29.1351, 14.2944, 34.1346



18.5890, 17.9681, 3.3534



6.4111, 6.3036, 7.5452



13.8801, 6.8063, 16.4256



0.2190, 0.1063, 0.3059

Previews

White Background



This preview shows how the XYZ color 13.5520, 17.6073, 31.9624 looks on a white 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

Black Background



This preview shows how the XYZ color 13.5520, 17.6073, 31.9624 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 13.5520, 17.6073, 31.9624

Background



This preview shows how black text looks on a background with the XYZ color 13.5520, 17.6073, 31.9624.

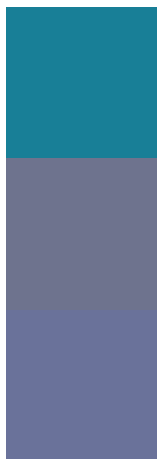


This preview shows how white text looks on a background with the XYZ color 13.5520, 17.6073,

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

13.5520, 17.6073, 31.9624

Protanopia

17.4436, 17.5295, 28.0553

Deuteranopia

17.7939, 17.4319, 32.9987



Tritanopia

12.5105, 17.5646, 27.1570

Trichromacy



Original Color

13.5520, 17.6073, 31.9624

Protanomaly

14.9321, 16.9003, 29.2631

Deuteranomaly

15.3271, 17.0301, 32.6163

Tritanomaly

12.7898, 17.4796, 28.6864

Monochromacy



Original Color

13.5520, 17.6073, 31.9624

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.4111, 13.6230, 19.1676

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5520, 17.6073, 31.9624 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(24, 127, 151)` looks like.

```
.text, #text, p{  
    color:rgb(24, 127, 151)  
}
```

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(24, 127, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 127, 151) }
```

Border

The CSS property to change the border of an element to XYZ 13.5520, 17.6073, 31.9624 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(24, 127, 151) }
```


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

```
.border{ border-color:rgb(24, 127, 151) }
```

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

Here you see how a box with a 4 pixel rgb(24, 127, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 127, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 127, 151);  
box-shadow:4px 4px 4px 4px rgb(24, 127,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5520, 17.6073, 31.9624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 127, 151) }
```

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

```
.background{ background-color: rgb(24, 127,  
151) }
```

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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