

Converting Colors

XYZ(13.2050, 17.1893, 31.5754)

Have a look what the booklet for
XYZ(13.2050, 17.1893, 31.5754)
contains.

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Color

**XYZ(13.2153, 17.2523,
31.4877)**

Conversions

Conversions Part 1

Format	Color
Hex	127E96
RGB	18, 126, 150
RGB Percent	7%, 49%, 59%
CMY	0.9294, 0.5059, 0.4118
CMYK	0.88, 0.16, 0.00, 0.41
HSL	191°, 79%, 33%
HSV	191°, 88%, 59%
XYZ	13.2153, 17.2523, 31.4877
YIQ	96.4440, -72.0720, -15.4320

Conversions

Conversions Part 2

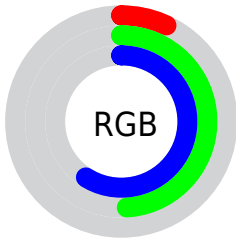
Format	Color
RYB	18, 77, 150
Decimal	1212054
CIELab	48.58, -19.32, -20.92
CIELCh	49, 28.474, 227.282
Yxy	17.2523, 0.2133, 0.2785
Android (android.graphics.Color)	4279402134 (0xFF127E96)
YUV	96.4440, 26.4031, -68.7954
Hunter-Lab	41.5359, -15.8952, -15.8717

Details

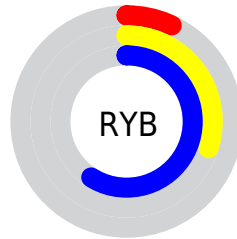
The XYZ color **13.2153, 17.2523, 31.4877** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **13.5155, 8.1847, 1.4403**, and the grayscale version is **11.1776, 11.7597, 12.8063**.

A 20% lighter version of the original color is **31.3336, 38.8240, 62.9691**, and **4.9060, 6.2086, 12.7442** is the 20% darker color. If you saturate the color by 10%, you get **12.6598, 16.4555, 31.3635**, and if you desaturate by 10%, it is **13.9474, 18.1549, 31.6237**.

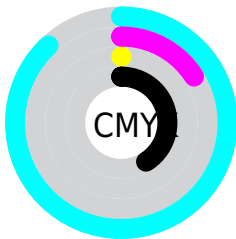
Distribution



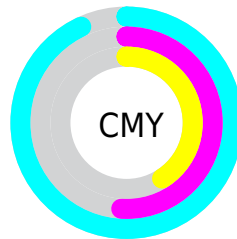
- Red (7%)
- Green (49%)
- Blue (59%)



- Red (7%)
- Yellow (30%)
- Blue (59%)



- Cyan (88%)
- Magenta (16%)
- Yellow (0%)
- Black (41%)



- Cyan (93%)
- Magenta (51%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2153, 17.2523, 31.4877 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 13.2153, 17.2523, 31.4877 by changing the saturation by 10% instead.

■ 13.2153, 17.2523,
31.4877

■ 13.2153, 17.2523,
31.4877

205.9027,
236.6221, 323.1994

■ 7.6550, 10.4145,
20.7089

■ 31.2881, 38.7591,
63.0956

■ 3.9249, 5.6747,
12.7222

■ 44.5313, 54.1968,
84.7619

■ 1.6597, 2.6483,
7.1091

■ 61.0661, 73.2701,
110.8944

■ 0.4309, 0.9510,
3.4509

■ 81.2580, 96.3632,
141.9117

■ 0.0000, 0.0000,
1.3292

■ 105.4722,
123.8606, 178.2323

■ 0.0000, 0.0000,
0.0856

■ 134.0742,

■ 0.0000, 0.0000,

156.1466, 220.2747

0.0000

167.4292,
193.6056, 268.4576

■ 13.2153, 17.2523,
31.4877

■ 13.2153, 17.2523,
31.4877

■ 12.6598, 16.4555,
31.3635

■ 13.9474, 18.1549,
31.6237

■ 12.5541, 16.3001,
31.3391

■ 14.9024, 19.1863,
31.7724

■ 16.1064, 20.3604,
31.9356

■ 17.5812, 21.6885,
32.1142

■ 19.3461, 23.1808,
32.3092

■ 21.4188, 24.8463,
32.5215

■ 23.8153, 26.6935,
32.7517

■ 26.5506, 28.7303,
33.0007

■ 29.6388, 30.9640,
33.2690

Harmonies

Analogous

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



12.0467, 17.2523, 23.3998



13.2153, 17.2523, 31.4877



15.3146, 17.2523, 36.6424

Triad

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



13.2153, 17.2523, 31.4877



21.8128, 17.2523, 22.1398



14.9478, 17.2523, 8.1102

Complementary

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



13.2153, 17.2523, 31.4877



13.5155, 8.1847, 1.4403

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.



17.5309, 17.2523, 7.9417



13.2153, 17.2523, 31.4877



21.6876, 17.2523, 14.8204

Square

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



13.2153, 17.2523, 31.4877



20.3799, 17.2523, 30.3565



20.0541, 17.2523, 10.0611



12.9714, 17.2523, 10.6058

Rectangle

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



13.2153, 17.2523, 31.4877



17.0439, 17.2523, 37.0143



20.0541, 17.2523, 10.0611



15.7682, 17.2523, 7.8087

Sweetspot

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



13.2159, 17.2529, 31.4881



38.3876, 44.3092, 57.4505



11.5394, 22.0950, 5.6651



8.2369, 9.6069, 12.7050



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



13.2159, 17.2529, 31.4881



22.0380, 28.5318, 55.2669



7.4779, 5.7770, 29.5755



5.8754, 6.3848, 7.3925



10.4332, 13.5613, 25.9987



0.1465, 0.2035, 0.3245

Inverse Universe

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



16.5604, 8.4236, 20.4923



28.4168, 13.9309, 33.7929



17.8417, 16.8370, 2.8823



5.9905, 5.8913, 7.0563



13.3933, 6.5624, 16.0840



0.1734, 0.0841, 0.2467

Previews

White Background



This preview shows how the XYZ color 13.2153, 17.2523, 31.4877 looks on a white background.

Color Contrast Check

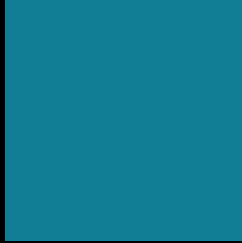
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.2153, 17.2523, 31.4877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

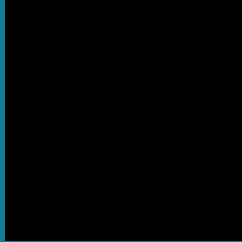
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.2153, 17.2523, 31.4877

Background



This preview shows how black text looks on a background with the XYZ color 13.2153, 17.2523, 31.4877.

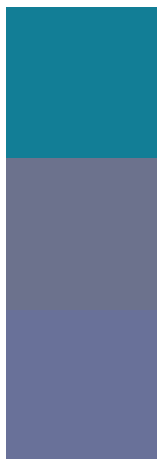


This preview shows how white text looks on a background with the XYZ color 13.2153, 17.2523,

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

13.2153, 17.2523, 31.4877

Protanopia

17.0094, 17.1459, 27.6123

Deuteranopia

17.4806, 17.1134, 32.5189



Tritanopia

12.3066, 17.2733, 26.7302

Trichromacy



Original Color

13.2153, 17.2523, 31.4877

Protanomaly

14.4141, 16.4663, 28.8042

Deuteranomaly

14.8936, 16.6403, 32.1327

Tritanomaly

12.5595, 17.1769, 28.2447

Monochromacy



Original Color

13.2153, 17.2523, 31.4877

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.7940, 13.0053, 18.4644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2153, 17.2523, 31.4877 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, 126, 150)` looks like.

```
.text, #text, p{  
    color:rgb(18, 126, 150)  
}
```

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, 126, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 126, 150) }
```

Border

The CSS property to change the border of an element to XYZ 13.2153, 17.2523, 31.4877 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, 126, 150) }
```


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

```
.border{ border-color:rgb(18, 126, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 126, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 126, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 126, 150);  
box-shadow:4px 4px 4px 4px rgb(18, 126,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2153, 17.2523, 31.4877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 126, 150) }
```

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

```
.background{ background-color: rgb(18, 126,  
150) }
```

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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