

Converting Colors

XYZ(13.1797, 18.7228, 20.0527)

Have a look what the booklet for
XYZ(13.1797, 18.7228, 20.0527)
contains.

XYZ(13.1522, 18.6513, 20.0464)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.1522, 18.6513,
20.0464)**

Conversions

Conversions Part 1

Format	Color
Hex	388476
RGB	56, 132, 118
RGB Percent	22%, 52%, 46%
CMY	0.7804, 0.4823, 0.5373
CMYK	0.58, 0.00, 0.11, 0.48
HSL	169°, 40%, 37%
HSV	169°, 58%, 52%
XYZ	13.1522, 18.6513, 20.0464
YIQ	107.6800, -40.8020, -20.4660

Conversions

Conversions Part 2

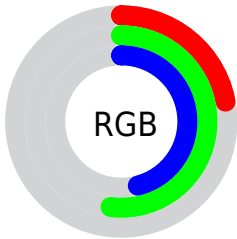
Format	Color
RYB	56, 98, 132
Decimal	3703926
CIELab	50.28, -27.06, 0.49
CIElCh	50, 27.063, 178.956
Yxy	18.6513, 0.2537, 0.3597
Android (android.graphics.Color)	4281894006 (0xFF388476)
YUV	107.6800, 5.0878, -45.3234
Hunter-Lab	43.1872, -21.2172, 2.7101

Details

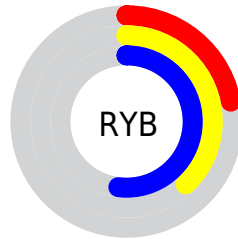
The XYZ color **13.1522, 18.6513, 20.0464** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.0361, 8.1767, 6.7390**, and the grayscale version is **14.1593, 14.8966, 16.2224**.

A 20% lighter version of the original color is **31.2450, 41.3351, 44.3619**, and **4.1228, 6.4768, 6.8272** is the 20% darker color. If you saturate the color by 10%, you get **12.3670, 18.2634, 19.2653**, and if you desaturate by 10%, it is **14.1368, 19.1424, 20.8571**.

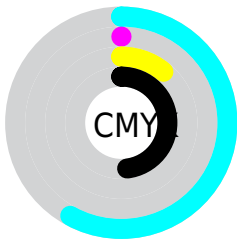
Distribution



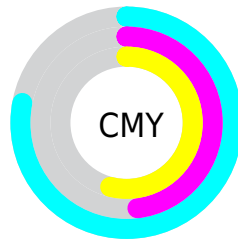
- Red (22%)
- Green (52%)
- Blue (46%)



- Red (22%)
- Yellow (38%)
- Blue (52%)



- Cyan (58%)
- Magenta (0%)
- Yellow (11%)
- Black (48%)



- Cyan (78%)
- Magenta (48%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1522, 18.6513, 20.0464 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 13.1522, 18.6513, 20.0464 by changing the saturation by 10% instead.

■ 13.1522, 18.6513,
20.0464

■ 13.1522, 18.6513,
20.0464

205.5087,
244.5169, 264.7787

■ 7.6112, 11.4186,
12.2444

■ 31.1759, 41.1440,
44.3550

■ 3.8969, 6.3491,
6.7858

■ 44.3893, 57.1729,
61.6986

■ 1.6440, 3.0585,
3.2521

■ 60.8909, 76.9025,
83.0598

■ 0.4208, 1.1624,
1.2247

■ 81.0460, 100.7174,
108.8571

■ 0.0000, 0.0306,
0.0000

■ 105.2200,
129.0018, 139.5091

■ 0.0000, 0.0000,
0.0000

■ 133.7782,

162.1403, 175.4344

167.0860,
200.5172, 217.0514

■ 13.1522, 18.6513,
20.0464

■ 13.1522, 18.6513,
20.0464

■ 12.3670, 18.2634,
19.2653

■ 14.1368, 19.1424,
20.8571

■ 11.7639, 17.9686,
18.5116

■ 15.3332, 19.7418,
21.6969

■ 11.3252, 17.7581,
17.7848

■ 16.7546, 20.4568,
22.5670

■ 11.0130, 17.6124,
17.0829

■ 18.4126, 21.2933,
23.4681

■ 10.9415, 17.5791,
16.9156

■ 20.3183, 22.2571,
24.4007

■ 22.4818, 23.3533,
25.3656

■ 24.9126, 24.5868,
26.3633

■ 27.6200, 25.9625,
27.3943

■ 30.6125, 27.4848,
28.4593

Harmonies

Analogous

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



13.7518, 18.6513, 13.7390



13.1522, 18.6513, 20.0464



13.6744, 18.6513, 28.1254

Triad

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



13.1522, 18.6513, 20.0464



20.2803, 18.6513, 35.7304



20.4547, 18.6513, 10.2845

Complementary

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



13.1522, 18.6513, 20.0464



12.0361, 8.1767, 6.7390

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.



22.5114, 18.6513, 14.0928



13.1522, 18.6513, 20.0464



22.4039, 18.6513, 28.6948

Square

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



13.1522, 18.6513, 20.0464



17.6359, 18.6513, 38.4206



23.2571, 18.6513, 20.5721



17.8194, 18.6513, 9.0280

Rectangle

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



13.1522, 18.6513, 20.0464



14.6208, 18.6513, 33.2502



23.2571, 18.6513, 20.5721



21.2458, 18.6513, 11.2537

Sweetspot

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



13.1527, 18.6520, 20.0468



32.4936, 37.5376, 41.3688



11.5789, 18.1360, 6.6322



7.4447, 8.6787, 9.5691



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



13.1527, 18.6520, 20.0468



21.4362, 31.9992, 33.5356



11.2864, 13.4874, 23.8391



4.7658, 5.2646, 5.7779



10.5955, 17.0211, 16.3874



0.0391, 0.0599, 0.0692

Inverse Universe

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



12.0361, 8.1767, 6.7390



19.2925, 11.6876, 7.8388



13.0118, 10.7549, 5.1319



4.7050, 4.7017, 5.0591



9.3780, 4.8156, 1.2971



0.0345, 0.0175, 0.0150

Previews

White Background



This preview shows how the XYZ color 13.1522, 18.6513, 20.0464 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 13.1522, 18.6513, 20.0464 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 13.1522, 18.6513, 20.0464

Background



This preview shows how black text looks on a background with the XYZ color 13.1522, 18.6513, 20.0464.



This preview shows how white text looks on a background with the XYZ color 13.1522, 18.6513,

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

13.1522, 18.6513, 20.0464

Protanopia

17.6344, 18.5523, 17.6904

Deuteranopia

18.6968, 18.3337, 20.9657



Tritanopia

14.6248, 18.6546, 27.2560

Trichromacy



Original Color

13.1522, 18.6513, 20.0464

Protanomaly

15.3905, 18.2829, 18.6374

Deuteranomaly

15.7681, 17.8800, 20.7093

Tritanomaly

14.0038, 18.5961, 24.3240

Monochromacy



Original Color

13.1522, 18.6513, 20.0464

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.4057, 16.0163, 17.7141

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1522, 18.6513, 20.0464 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(56, 132, 118)` looks like.

```
.text, #text, p{  
    color:rgb(56, 132, 118)  
}
```

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(56, 132, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 132, 118) }
```

Border

The CSS property to change the border of an element to XYZ 13.1522, 18.6513, 20.0464 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(56, 132, 118) }
```


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

```
.border{ border-color:rgb(56, 132, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 132, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 132, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 132, 118);  
box-shadow:4px 4px 4px 4px rgb(56, 132,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1522, 18.6513, 20.0464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 132, 118) }
```

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

```
.background{ background-color: rgb(56, 132,  
118) }
```

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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