

Converting Colors

XYZ(10.3410, 11.8645, 20.5503)

Have a look what the booklet for
XYZ(10.3410, 11.8645, 20.5503)
contains.

XYZ(10.2787, 11.7942, 20.4736)	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(10.2787, 11.7942,
20.4736)**

Conversions

Conversions Part 1

Format	Color
Hex	3F657B
RGB	63, 101, 123
RGB Percent	25%, 40%, 48%
CMY	0.7529, 0.6039, 0.5176
CMYK	0.49, 0.18, 0.00, 0.52
HSL	202°, 32%, 36%
HSV	202°, 49%, 48%
XYZ	10.2787, 11.7942, 20.4736
YIQ	92.1460, -29.7100, -1.2140

Conversions

Conversions Part 2

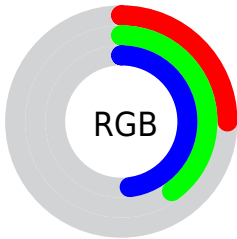
Format	Color
R_{YB}	63, 86, 123
Decimal	4154747
CIE _{Lab}	40.89, -6.99, -16.50
CIE _{LCh}	41, 17.917, 247.045
Yxy	11.7942, 0.2416, 0.2772
Android (android.graphics.Color)	4282344827 (0xFF3F657B)
YUV	92.1460, 15.2110, -25.5610
Hunter-Lab	34.3427, -6.6750, -11.3062

Details

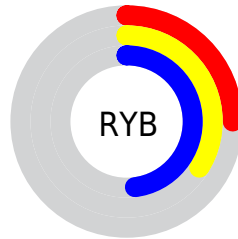
The XYZ color **10.2787, 11.7942, 20.4736** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.3143, 11.0670, 6.1900**, and the grayscale version is **10.1776, 10.7076, 11.6606**.

A 20% lighter version of the original color is **26.0041, 29.1685, 45.3338**, and **2.6428, 3.1779, 6.9527** is the 20% darker color. If you saturate the color by 10%, you get **9.1534, 10.5820, 20.2991**, and if you desaturate by 10%, it is **11.6044, 13.1459, 20.6648**.

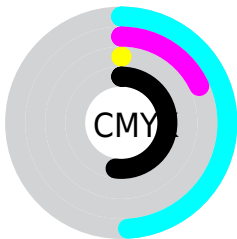
Distribution



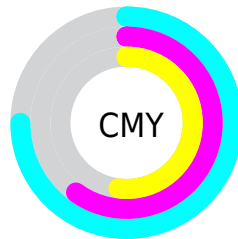
- Red (25%)
- Green (40%)
- Blue (48%)



- Red (25%)
- Yellow (34%)
- Blue (48%)



- Cyan (49%)
- Magenta (18%)
- Yellow (0%)
- Black (52%)



- Cyan (75%)
- Magenta (60%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2787, 11.7942, 20.4736 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 10.2787, 11.7942, 20.4736 by changing the saturation by 10% instead.

■ 10.2787, 11.7942,
20.4736

■ 10.2787, 11.7942,
20.4736

186.6621,
203.0380, 267.1561

■ 5.6478, 6.6037,
12.5523

■ 25.9633, 29.1197,
45.0792

■ 2.6707, 3.2155,
6.9939

■ 37.7478, 42.0235,
62.6005

■ 0.9821, 1.2453,
3.3799

■ 52.6475, 58.2673,
84.1589

■ 0.0000, 0.0982,
1.2917

■ 71.0278, 78.2353,
110.1729

■ 0.0000, 0.0000,
0.0550

■ 93.2541, 102.3119,
141.0611

■ 0.0000, 0.0000,
0.0000

119.6917,

130.8817, 177.2420

150.7059,
164.3289, 219.1342

■ 10.2787, 11.7942,
20.4736

■ 10.2787, 11.7942,
20.4736

■ 9.1534, 10.5820,
20.2991

■ 11.6044, 13.1459,
20.6648

■ 8.2150, 9.5011,
20.1400

■ 13.1404, 14.6419,
20.8727

■ 7.4504, 8.5442,
19.9956

■ 14.8973, 16.2887,
21.0979

■ 6.8436, 7.7027,
19.8651

■ 16.8848, 18.0916,
21.3412

■ 6.3507, 6.9531,
19.7464

■ 19.1117, 20.0557,
21.6029

■ 6.2926, 6.8650,
19.7325

■ 21.5865, 22.1860,
21.8836

■ 24.3172, 24.4870,
22.1839

■ 27.3115, 26.9633,
22.5040

■ 30.5767, 29.6190,
22.8445

Harmonies

Analogous

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



9.3608, 11.7942, 17.5655



10.2787, 11.7942, 20.4736



11.5142, 11.7942, 21.1694

Triad

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



10.2787, 11.7942, 20.4736



13.8300, 11.7942, 11.9978



9.7938, 11.7942, 8.0038

Complementary

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



10.2787, 11.7942, 20.4736



12.3143, 11.0670, 6.1900

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.



10.9113, 11.7942, 7.0470



10.2787, 11.7942, 20.4736



13.2880, 11.7942, 9.0515

Square

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



10.2787, 11.7942, 20.4736



13.6285, 11.7942, 15.7868



12.1960, 11.7942, 7.3904



9.0961, 11.7942, 10.2880

Rectangle

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



10.2787, 11.7942, 20.4736



12.3649, 11.7942, 20.1852



12.1960, 11.7942, 7.3904



10.1294, 11.7942, 7.5382

Sweetspot

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



10.2791, 11.7946, 20.4739



27.8437, 30.2378, 37.9256



10.7333, 15.8630, 10.8840



6.4158, 6.9918, 8.9145



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



10.2791, 11.7946, 20.4739



16.0877, 18.6100, 36.3008



7.9427, 7.1219, 19.6951



3.9893, 4.2770, 5.0585



6.5043, 7.0911, 20.4112



30.1936, 32.1599, 97.0859

Inverse Universe

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



12.2951, 8.7059, 13.3448



20.3272, 12.9253, 21.1275



15.0831, 16.6047, 7.1130



4.0951, 4.0538, 4.6983



9.8664, 4.9227, 7.8534



46.6435, 23.3137, 35.2483

Previews

White Background



This preview shows how the XYZ color 10.2787, 11.7942, 20.4736 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 10.2787, 11.7942, 20.4736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

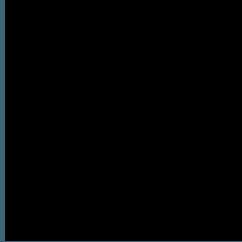
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.2787, 11.7942, 20.4736

Background



This preview shows how black text looks on a background with the XYZ color 10.2787, 11.7942, 20.4736.

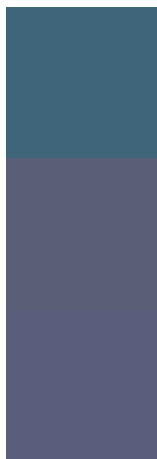


This preview shows how white text looks on a background with the XYZ color 10.2787, 11.7942,

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

10.2787, 11.7942, 20.4736

Protanopia

11.6384, 11.6900, 19.0957

Deuteranopia

11.8572, 11.6343, 20.6895



Tritanopia

9.5231, 11.7780, 16.8104

Trichromacy



Original Color

10.2787, 11.7942, 20.4736

Protanomaly

10.9731, 11.6109, 19.4321

Deuteranomaly

11.2210, 11.7101, 20.7376

Tritanomaly

9.7094, 11.7012, 17.9665

Monochromacy



Original Color

10.2787, 11.7942, 20.4736

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

9.9337, 10.9130, 14.4148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2787, 11.7942, 20.4736 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(63, 101, 123)` looks like.

```
.text, #text, p{  
    color:rgb(63, 101, 123)  
}
```

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(63, 101, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 101, 123) }
```

Border

The CSS property to change the border of an element to XYZ 10.2787, 11.7942, 20.4736 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(63, 101, 123) }
```


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

```
.border{ border-color:rgb(63, 101, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 101, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 101, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 101, 123);  
box-shadow:4px 4px 4px 4px rgb(63, 101,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2787, 11.7942, 20.4736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 101, 123) }
```

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

```
.background{ background-color: rgb(63, 101,  
123) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor